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Dugay

VACANT LOT
L097 125 0020 -- Lake Co.
ILD 984775437
Superfund/HRS

CERCLA Integrated Site Assessment



**Illinois Environmental
Protection Agency**

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Confidential material may be enclosed.

CERCLA Integrated Assessment

VACANT LOT

ILD984775437

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SECTION 1

INTRODUCTION

1. INTRODUCTION

On September 22, 1992 the Illinois Environmental Protection Agency's (IEPA) Site Assessment Program was tasked by the United States Environmental Protection Agency (U.S. EPA) to conduct a CERCLA Integrated Assessment of the Vacant Lot site in Lake County Illinois.

The site was added to CERCLIS (Comprehensive Environmental Response, Compensation and Liability System) by the Illinois EPA in August 1989. This action was taken as a result of a fire at the site.

The site received its initial CERCLA evaluation in the form of a CERCLA Preliminary Assessment (PA). This assessment was performed by the Illinois EPA and was submitted to U.S. EPA in September 1990. In April 1993 the IEPA's Site Assessment Program prepared a sampling work plan for the Vacant Lot site. The work plan was subsequently submitted to the Region X offices of the U.S. EPA. Sampling was conducted in May 1993 when personnel from the IEPA collected a total of 11 soil samples, five sediment samples, and 4 groundwater samples. An additional sediment sample, collected in April 1994, was added to the sampling data.

The purpose of the CERCLA Integrated Assessment has developed from U.S. EPA directives and guidance information that outline

Site Assessment program strategies. The information states:

The Integrated Assessment will be conducted to: 1) Collect data which would satisfy both site assessment and remedial program activities. This would incorporate hazardous waste, surface water, air, and groundwater concerns. 2) The objectives of the assessment are to determine whether time or non-time-critical removals are warranted and to determine whether the site is National Priorities List (NPL) caliber. If the determination is made that the site is NPL caliber, additional data will likely be needed to complete the assessment. A sampling plan to accommodate removal and site assessment needs, as well as initial remedial needs should be developed. 3) Determination of site sampling needs will be accomplished with an understanding to assure adequate data for the removal assessment and the preparation of the Hazard Ranking System (HRS) score as well as the need for possible initial sampling for the remedial investigation. Based on the preliminary HRS score and removal program information, the site will then either be designated an No Further Action (NFA), or carried forward as an NPL listing candidate. Sites that are designated NFA or deferred to other statutes are not candidates for an Integrated Assessment. 4) Upon completion of the data gathering, there will be a determination of whether the site should be forwarded within the Superfund process, either through the remedial or removal programs.

The initial assessment of a site as it enters the Superfund program within Region V will be conducted by either a Regional On-Scene Coordinator (OSC) and a Site Assessment Manager (SAM) or by State personnel. An OSC and a SAM will be assigned for all new sites entering the Regional Superfund program. If an emergency is found to occur, U.S. EPA or state emergency removal staff will be immediately contacted for action. If the site needs further Superfund activities, a Site Assessment Team (SAT), comprised of the State, the SAM, the Remedial Project Manager (RPM), and an OSC will be formed. As necessary, additional data can be generated for the SAT to make a recommendation to the Regional Decision Team (RDT) for further possible action.

The Integrated Assessment will address all the data requirements of the revised HRS using field screening and NPL level Data Quality Objectives (DQO's) prior to data collection. It will also provide needed data in a format to support remedial investigation workplan development. Only sites that appear to score high enough for NPL listing and that have not been deferred to another authority will receive an Integrated Assessment.

U.S. EPA Region ~~X~~ offices have requested that the Illinois EPA identify sites during the Integrated Assessment that may require

a CERCLA removal action to remediate an immediate threat to human health and/or the environment.

During the field investigation portion of the integrated assessment a number of environmental samples were collected from the site, and at points of potential pollutant migration. An analysis of these samples showed that CERCLA Removal Action Levels (RALs) were exceeded at several sample points. Upon review of this information, U.S. EPA program managers assigned the vacant lot site to on-scene coordinator Cindy Nolan. According to Ms. Nolan, the U.S. EPA CERCLA Removal Program will conduct a site assessment of the facility, which will include additional sampling.

SECTION 2

SITE BACKGROUND

2. SITE BACKGROUND

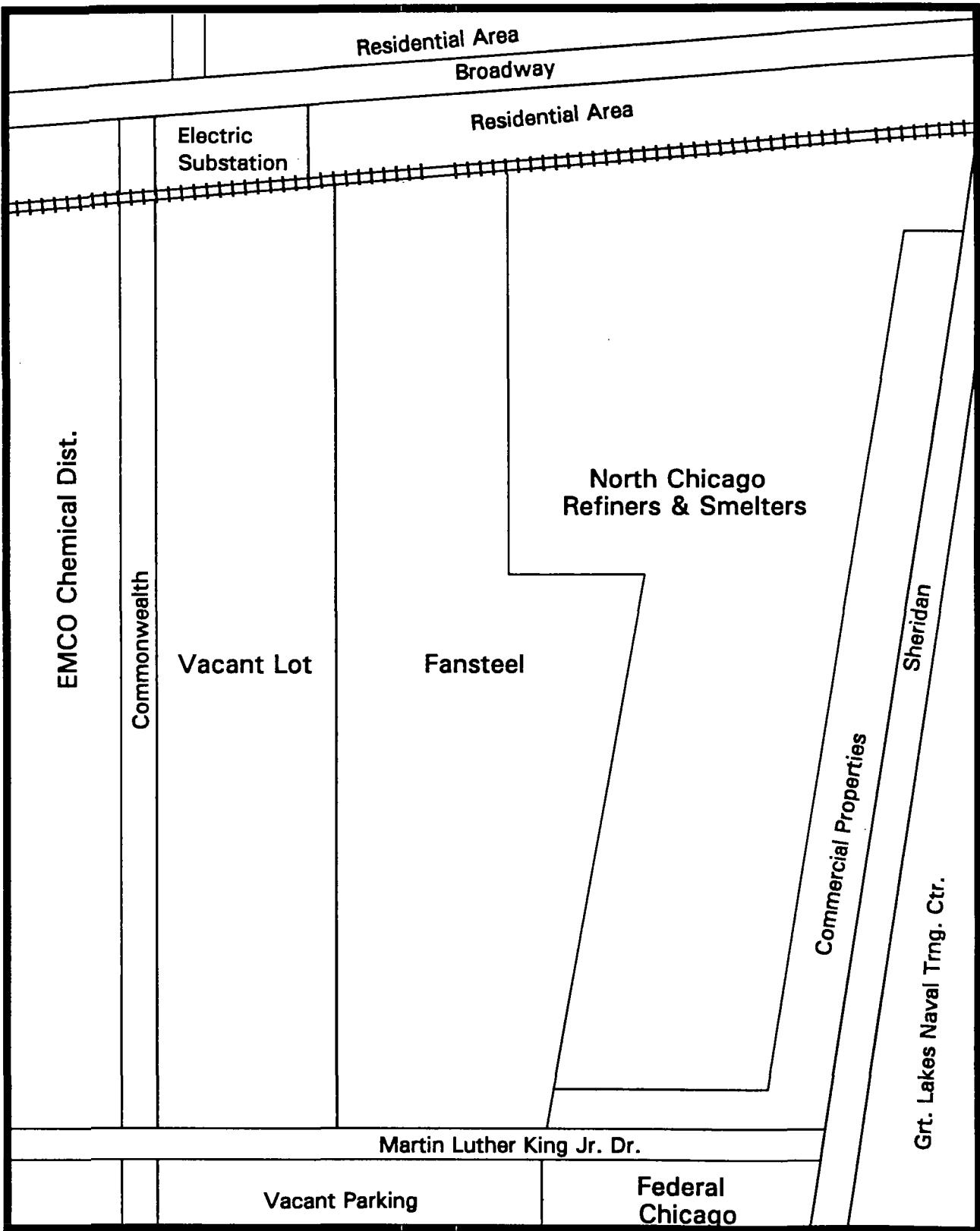
2.1 Introduction

In the preparation of the CERCLA Integrated Assessment, information concerning the physical characteristics of the site as well as the site's ownership, operational and regulatory history has been documented. Additional information has been found through the investigation of other, nearby facilities.

2.2 SITE DESCRIPTION

The vacant lot consists of approximately 1.8 acres located at the corner of Martin Luther King Jr. Drive (22nd Street) and Commonwealth in the City of North Chicago, Lake County Illinois. The site is located in an area consisting of industrial, commercial, and residential properties. It is bordered to the north by the elevated Elgin, Joliet and Eastern Railroad, with residences beyond. The site is bordered to the east by Fansteel, Inc. (currently used for office space only). To the south of the site, across Martin Luther King Jr. Drive is a parking area, and to the west across Commonwealth Street is EMCO Chemical Distributors. Refer to Figure 2-1 and aerial photographs for surrounding land usage.

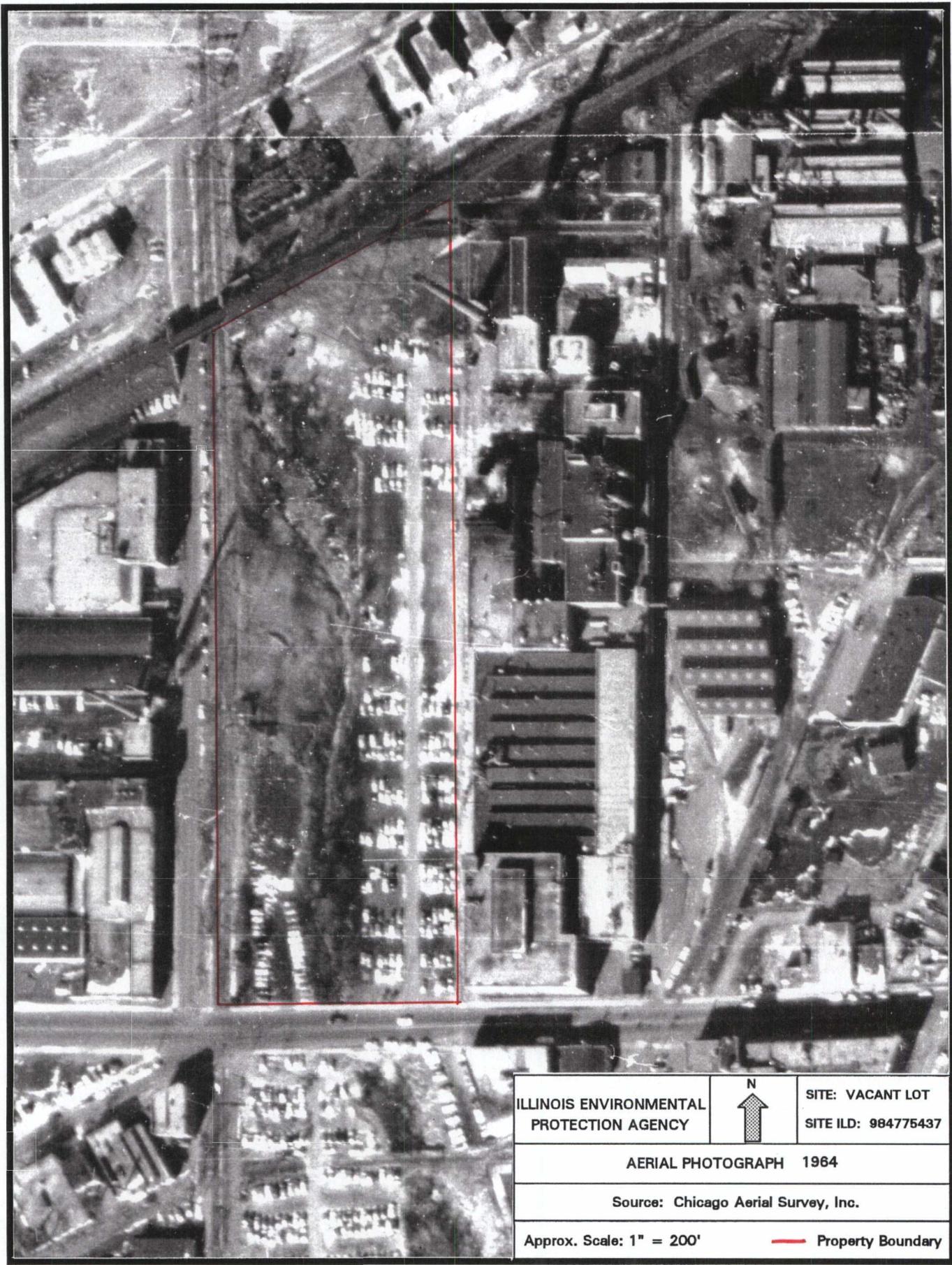
The site is generally flat with a slight slope toward Pettibone Creek, which flows north to south through the site. Portions of the site are vegetated with grass or moss, and the creek is lined with large deciduous trees. A cinder/slag type of material



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY	N ↗	SITE: VACANT LOT SITE ID: 984776437
FIGURE 2-1: VICINITY MAP		
Source: Illinois Environmental Protection Agency		
Not To Scale		







ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY



SITE: VACANT LOT
SITE ILD: 984775437

AERIAL PHOTOGRAPH 1964

Source: Chicago Aerial Survey, Inc.

Approx. Scale: 1" = 200'

— Property Boundary



ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY



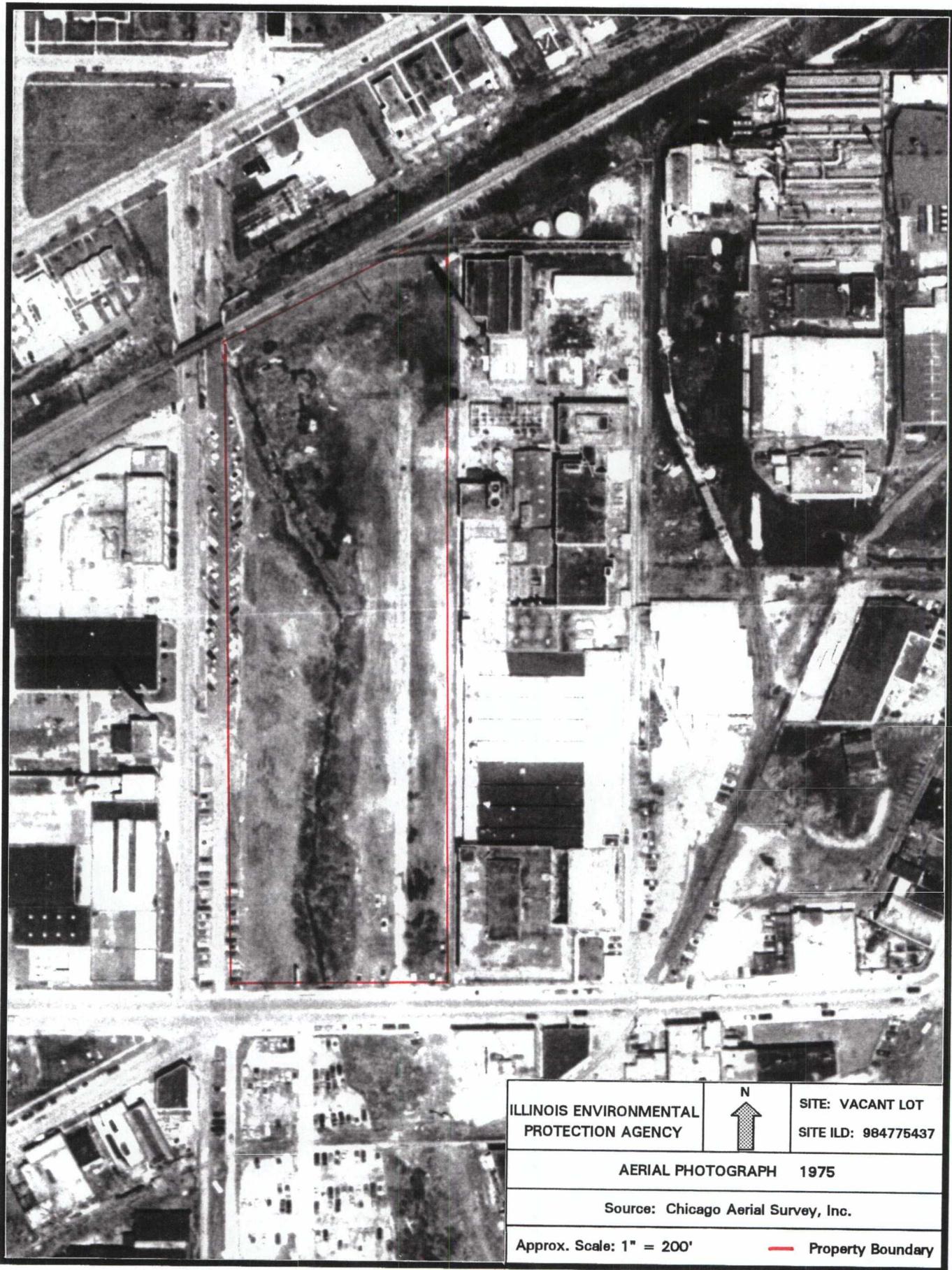
SITE: VACANT LOT
SITE ILD: 984775437

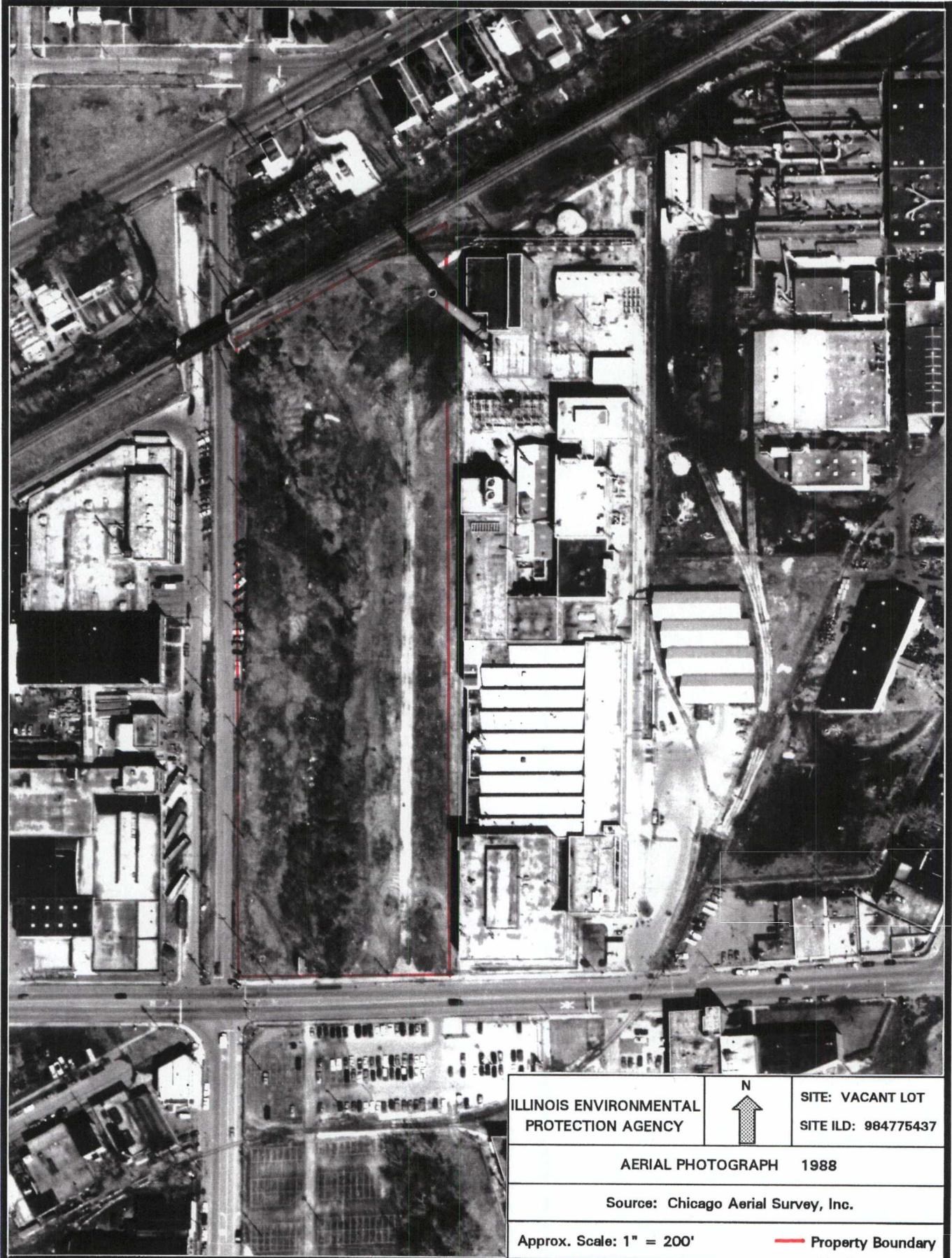
AERIAL PHOTOGRAPH 1970

Source: Chicago Aerial Survey, Inc.

Approx. Scale: 1" = 200'

— Property Boundary





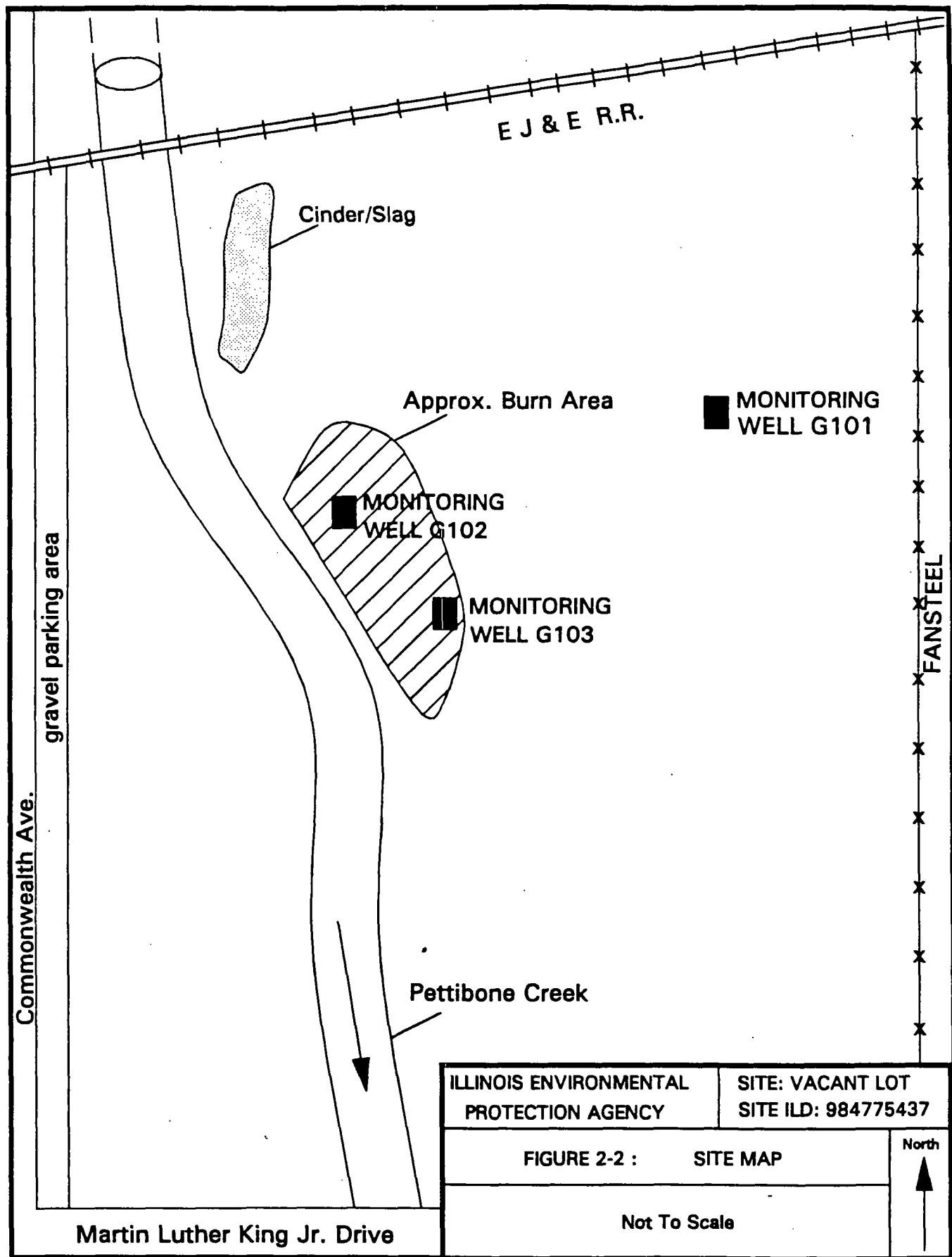
exists at the ground surface throughout most of the site, although it was not noted in the creek. In some parts of the site this material extends to a depth of at least 3 feet. Pavement can be found below this material in parts of the site. In the northern portion of the site on the east side of the creek, a small heap of the cinder/slag exists. Figure 2-2 shows site features.

Access to the site is not restricted in any way, and during IEPA site visits, people were seen walking through the lot or visiting the creek area. According to a local authority, the site is at times inhabited by homeless people. Large-diameter concrete pipes, some containing blankets, have been noted on the west side of the creek.

2.3 SITE HISTORY

Various historical sources indicate that the only development of the vacant lot was for its use as a parking lot. However, conversations with local residents and authorities indicate that the property may also have been utilized by nearby industries for waste disposal.

Ownership of the site has changed several times since the turn of the century. A 1907 plat map shows the property that now comprises the vacant lot and adjacent land to the east (Fansteel) was then owned by Nicholas Martin. According to a map provided



by a North Chicago Refiners & Smelters representative, in 1921 most of the land now occupied by the vacant lot, Fansteel, and North Chicago Refiners & Smelters was owned by Vulcan-Louisville Smelting Company. The vacant lot and Fansteel portion of the property is labeled as "Vulcan-Louisville Smelting Co. Farm Land" (see Figure 2-3). A tailings pile is depicted in the northern portion of the "farm land".

Information gathered from various plat maps, Sanborn maps, and local residents indicates that Vulcan-Louisville owned the site in 1929, with the property being transferred to C.N.S. & M. Railroad Company by 1936. Sometime between 1936 and 1954 the vacant lot property was sold to an individual who developed it as a parking lot. At this time, the owner solicited for fill material to be brought to the lot. It is not known what type of fill material was accepted.

Although the vacant lot was never developed as an industrial site, it seems to have been utilized by surrounding industries. As mentioned previously, there is some indication that the lot was used to store tailings material from operations at Vulcan-Louisville Smelting. Additionally, local residents have indicated that Chicago Hardware Foundry had disposed of slag material at the lot.

PLAT OF
Vulcan-Louisville Smelting Co. Property.
North Chicago, Ill.

Feb. 12, 1921.

Waukegan.

TOWN OF
NORTH CHICAGO.

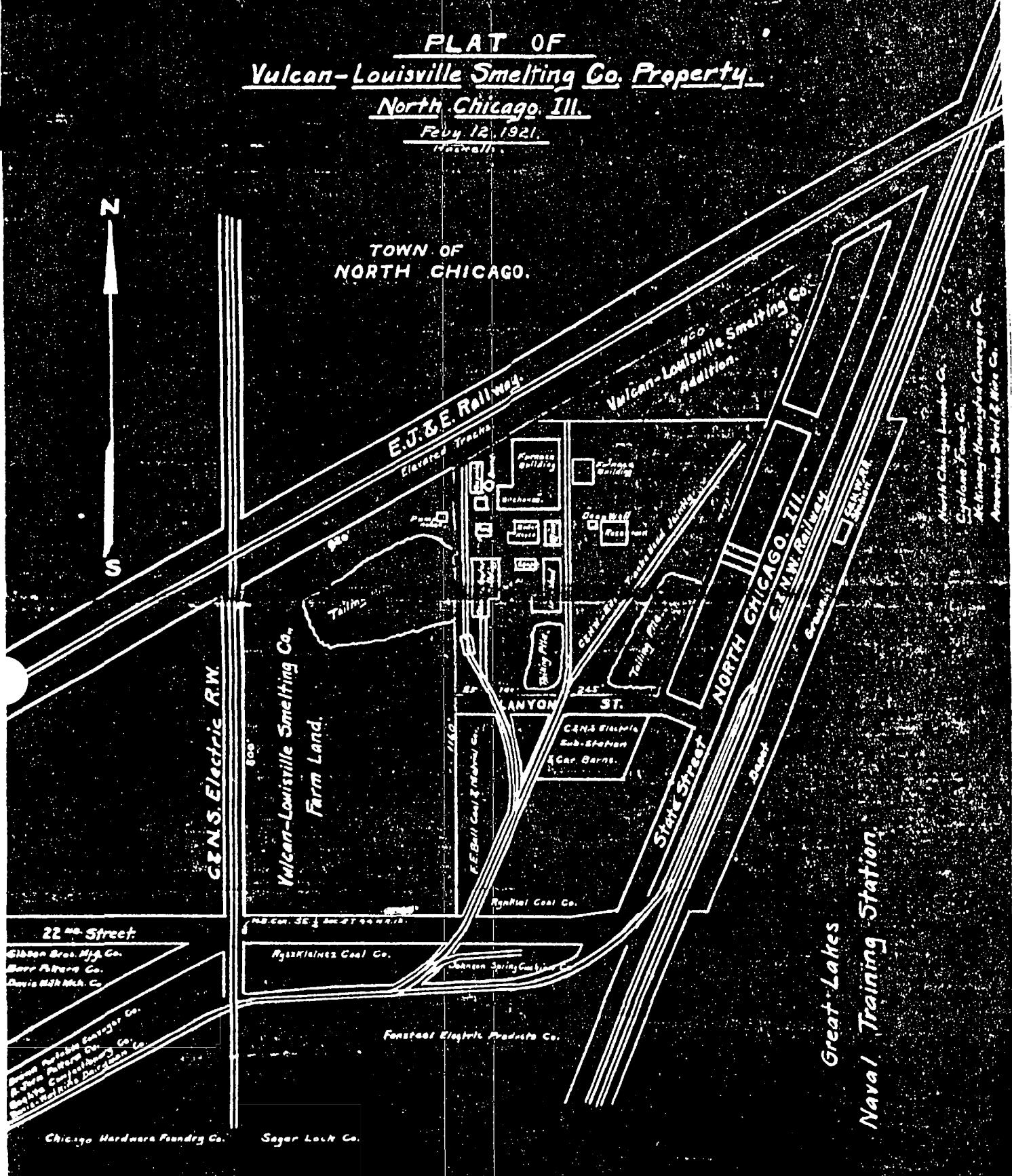


FIGURE 2-3
 PLAT OF VULCAN-LOUISVILLE SMELTING CO. PROPERTY
 February 1921

Provided by North Chicago Refiners & Smelters

Currently, the title to the property is held by Northern Trust Bank in Lake Forest, Illinois as the trustee for John Stack. According to a bank representative, the bank has hired consultants to perform additional environmental assessments of the vacant lot, including installation of monitor wells to determine local groundwater flow.

2.3.1 IEPA INVOLVEMENT

The Illinois Environmental Protection Agency became involved with the site in June 1988 when a fire at the site was reported to the IEPA Emergency Response Unit. The North Chicago Fire Department responded to the fire and determined that fill material at the site had become heated, igniting nearby brush. The fire area extended along a ravine approximately 200 feet long, with depths of the fill material around 10 feet. Personnel from the IEPA Emergency Response Unit visited the site on June 15, 1988 to collect soil samples. Three soil samples were collected and analyzed for the RCRA EP Tox Metals. Below are data from this sampling event.

	X101	X102	X103
Barium	3500 ppm	500 ppm	400 ppm
Cadmium	350 ppm	80 ppm	350 ppm
Lead	1860 ppm	900 ppm	43500 ppm

2.4 APPLICABILITY OF OTHER STATUTES

Because the site is not active, and has not had active hazardous waste generation, transfer, storage or disposal since 1980, the site does not fall under the authority of the Resource Conservation and Recovery Act (RCRA), which became effective in 1980. Furthermore, information currently available gives no indication of the site being under the authority of the Atomic Energy Act (AEA), the Uranium Mill Tailings Radiation Control Act (UMTRCA), or the Federal Insecticide, Fungicide or Rodenticide Act (FIFRA).

SECTION 3

SITE ACTIVITIES AND ANALYTICAL RESULTS

3. SITE ACTIVITIES AND ANALYTICAL RESULTS

3.1 INTRODUCTION

As part of the CERCLA Integrated Assessment the Illinois Environmental Protection Agency (IEPA) collected eleven soil samples, six sediment samples and four groundwater samples. Samples were collected to determine if compounds listed on the Target Compound List (see Appendix C) are present at the site and whether they are impacting nearby targets. Specific detection limits can be found in Appendix F, the analytical section of this report.

3.2 SITE RECONNAISSANCE

In April 1993 Judy Triller of the IEPA's Site Assessment Program visited the site. This visit consisted of a visual inspection to identify potential sampling points and to identify any health or safety concerns associated with the site. During this visit it was confirmed that the lot is located at the northeast corner of Commonwealth and Martin Luther King Jr. Drive (formerly 22nd Street). It was noted that the area surrounding the site consisted of industrial, commercial and residential properties.

At the time of this visit the lot was not being put to any obvious use. Portions of the site were vegetated with grass and weeds, and a small heap of cinder material was located in the northern portion of the lot. Trash was seen throughout the site,

indicating that people do visit or pass through the lot. Remnants of the parking lot, such as light poles and a dirt road/path entering from Martin Luther King Jr. Drive were noted. Also, three locked monitoring wells were seen.

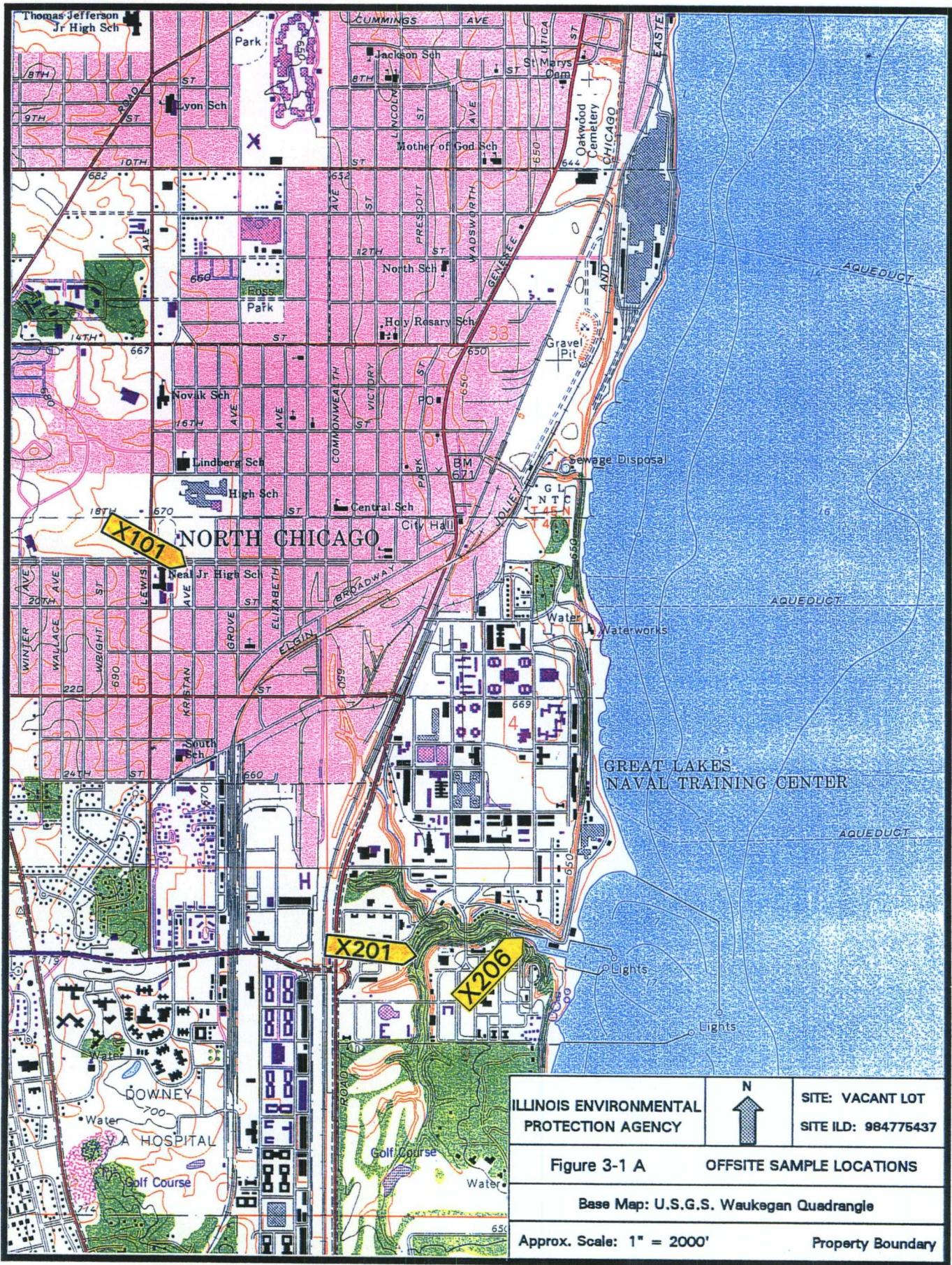
3.3 SITE REPRESENTATIVE INTERVIEW

On April 5, 1993 a letter was sent by the Illinois EPA to Northern Trust Bank, trustee of the property, as notification of the planned CERCLA sampling activities. During a series of telephone conversations, site representatives Kelly Gibbel of the bank and Kieth Fetzner of Mostardi-Platt Associates, Inc. (environmental consultant of Northern Trust Bank), were informed of the sampling date as well as the approximate number and locations of samples to be collected. It was determined that Mr. Fetzner would accompany the site inspection field team and split samples.

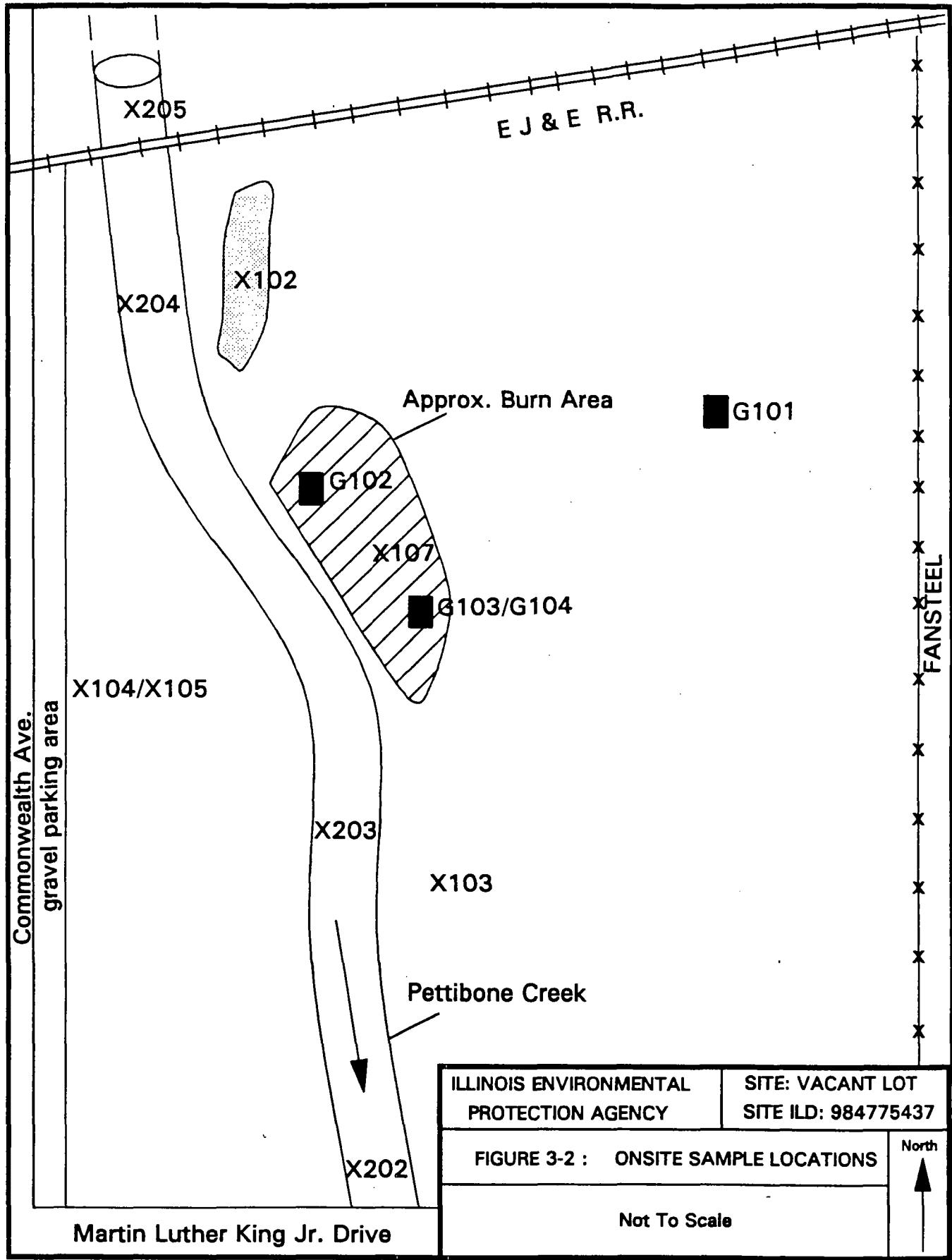
3.4 SOIL/SEDIMENT SAMPLING

During the sampling portion of the integrated assessment, the IEPA sampling team collected five samples from the ground surface at the vacant lot and six sediment samples (four from Pettibone Creek, one from a creek tributary, and one from the inner harbor of Lake Michigan). Additionally, five residential soil samples and one background soil sample were collected offsite.

Sample X101 was collected as a background soil sample to determine concentrations of soil constituents in an area not thought to be affected by the site. The sample was collected from Neal Elementary School located approximately 1/2 mile east of the site. (Refer to Figures 3-1 A and 3-1 B on the following pages for offsite sample locations.) Samples X102 - X107 (sample X106 was not collected) were collected from various locations throughout the vacant lot. These samples were collected to determine what contaminants were present at the lot and to determine the approximate extent of contamination. Although these samples were initially considered to be soil samples, they were later determined to be waste samples due to the nature of the surface material at the vacant lot, as discussed in Section 4.2. Sample X102 was collected from the small heap of cinder/slag material located on the east side of Pettibone Creek in the northern portion of the site. Sample X103 was collected from a point on the east side of the creek, in the southern half of the site. This area had no vegetative cover, but some gravel. Samples X104 and X105 were field duplicate samples collected from the west side of the creek. This sample location had no vegetative cover but was dark and covered with gravel. Sample X107 was collected in the vicinity of the 1988 site fire (discussed in Section 2.3). This area is on the east side of the creek in the northern half of the site. Figure 3-2 shows onsite sample locations, and Table 3-1 provides additional information on the appearance and location of onsite samples.



- Non-Responsive



Five soil samples were collected from the residential area just north of the Elgin, Joliet & Eastern Railroad (refer to Figure 3-1 B for locations). These samples were collected to determine if contamination in the residential area could be related to

Non-Responsive

Each of these samples was collected within 200 feet of the respective residence, and from the top 1 inch of soil. Table 3-1 gives more detailed information concerning the location and appearance of each residential sample. Because volatile organic compounds were not believed to be the primary concern in this area, the residential samples were not analyzed for volatiles.

Three sediment samples were collected from Pettibone Creek where it flows through the site, and one sediment sample was collected at the point where the creek originates, just a few feet upstream of the site. Because the point of origin is so near the site, a quality upstream background sample was not available. For this reason, sample X201, the background sample, was collected from a

TABLE 3 – 1
ONSITE AND RESIDENTIAL SAMPLE DESCRIPTIONS

SAMPLE	DEPTH	APPEARANCE	LOCATION
X101	0" – 2"	Dark brown, somewhat clayey	Neal Elementary School – ball field. 146'6" south of street sign at SW corner of intersection of Argonne and Kristan.
X102	2" – 4"	Dark, fine cinder-like material	47' directly east of eastern edge of Pettibone Creek and 119' south of foot of rail bed.
X103	1" – 3"	Dark, moist, sandy, rocky with some organic material. No weeds/grass cover, some gravel.	131' north of north side of sidewalk (Martin Luther King Jr.) and 48' east of Pettibone Creek.
X104/X105	1" – 3"	Dark, moist fine cinder material with some gravel.	300' north of north side of Martin Luther King Jr. Drive and 86' east of east edge of Commonwealth.
X106	NOT COLLECTED		
X107 Non-Responsive	1" – 2"	Dark, sandy, gritty material. Collected from former burn area. Moss at surface.	38' west of G103 and 38' north of G103.
	0" – 1"	Black loam with some clay.	
	0" – 1"	Black loam with organic matter.	
	0" – 1"	Black loam with organic matter.	
	0" – 1"	Black loam with organic matter.	
	0" – 1"	Black loam with some clay and little organic matter.	

Non-Responsive

southern tributary of Pettibone Creek. The sample location was in an area where the tributary flows through the Great Lakes Naval Training Center. This location was chosen to represent natural conditions, as it is not thought to be affected by the site. Sediment samples taken at the vacant lot were collected to determine what contaminants are present in the surface water pathway, and which of these contaminants are attributable to the vacant lot. Sample X202 was collected from Pettibone Creek on the site. The sample location was just north of the Martin Luther King Jr. Drive bridge. Sample X203 was collected upstream of X202 at a point just downstream of a culvert entering the creek from the west. Sample X204 was collected upstream of X203 at a point where a small ravine enters the creek from the east side of the site. Sample X205 was collected at the creek's origin, just north of the Elgin, Joliet and Eastern railroad, which forms the northern boundary of the site. The onsite sediment samples were difficult to collect as the creek substrate consisted mostly of gravel and plant material. An additional sediment sample was collected from the inner harbor of Lake Michigan in April 1994. This sample was collected to determine if contaminants were present in the lake itself. See Table 3-2 for more detailed information on sediment sample locations and appearance.

The soil and sediment samples were collected with stainless steel trowels (except X206, which was collected with a stainless steel

TABLE 3 – 2
SEDIMENT SAMPLE DESCRIPTIONS

SAMPLE	DEPTH	APPEARANCE	LOCATION
X201	0" – 2" under 3" water	Light brown; sandy silt with some clay	Grt. Lakes Navy Training Ctr. in tributary to Pettibone. Approx. 261' north of incinerator and 125' downstream of steampipe. (See Figure 3–1 A)
X202	0" – 1" under 3" – 4" water	Brown; gravelly with roots fine to medium grain	Vacant lot; west bank of Pettibone 65' north of north side of Martin Luther King Jr. Drive.
X203	0" – 3" under 4" – 6" water	Medium brown; fine grain	Vacant lot; west bank of Pettibone 12' south of culvert entering creek from west.
X204	Not Recorded	Black; medium to coarse grain sandy with rocks; foul smell	Vacant lot; Pettibone Creek, 41' west and 98' south of monitoring well G103.
X205	0" – 3" under 4" water	Dark, very fine silt material	Origin of Pettibone Creek, north of Elgin and Joliet R.R. Approx. 2' north of north edge of north culvert.
X206	6" – 16" under 2.5' water	Dark silty gravel with some sand	Grt. Lakes Naval Trn. Ctr., inner harbor 160' E of bridge marked "1938" 52' N of southern concrete bank

bucket auger). The sample material was transferred directly from the trowel/auger into sample jars provided by IEPA's Contract Laboratory Program. Mr. Fetzner of Mostardi-Platt Associates, Inc. split ground surface samples from the vacant lot, but did not split sediment or residential soil samples.

The sample jars were packaged and sealed in accordance with IEPA Site Assessment Program procedures. All samples, except X206, were shipped to Weston Gulf Coast Laboratories, Inc. in University Park, Illinois for analysis. Sample X206 was analyzed by the Illinois EPA laboratories. The sediment and onsite soil samples were analyzed for the full Target Compound List (see Appendix C), while the residential soil samples were analyzed for all but the volatile organic compounds. All analytical results were reviewed by the Illinois EPA Division of Laboratories, Quality Assurance Section. Photographs of the sampling activities are provided in Appendix D.

Standard IEPA equipment decontamination procedures were carried out at the IEPA decontamination facility prior to the collection of all samples and again after use. These procedures include the scrubbing of all equipment with liquid alconox and hot water, rinsing with warm tap water, rinsing with an acetone and water solution, rinsing with warm tap water again, and finally rinsing with distilled water. All the trowels were air dried, then wrapped and stored in heavy-duty aluminum foil for transport to

the field.

3.5 GROUNDWATER SAMPLES

Groundwater samples were collected to determine what, if any, contaminants are affecting the quality of groundwater in the area. All groundwater samples were collected from the three monitor wells on site. See Figure 3-2 for monitor well locations. These monitor wells were installed by MAECORP, Inc. in 1989. Boring logs for the wells can be found in Appendix D. Upon arrival at the site, the outer protective covers were locked. Because no key was available, the locks were cut with bolt cutters (with permission of site trustee). Prior to leaving the site, all monitor wells were locked with new locks, which were provided by John Stack. Groundwater sample information is given below.

SAMPLE	LOCATION	DEPTH TO WATER	APPEARANCE
G101	NE monitor well	7.54 ft	brown with sand and silt
G102	NW monitor well	9.02 ft	light brown and silty
G103	SW monitor well	8.13 ft	brown with silt and sand
G104	Duplicate of G103		

Using a teflon bailer, approximately 5 well volumes of water were purged from each well prior to sampling. Temperature, specific conductivity and pH were not recorded during purging due to

instrument failure. Each groundwater sample was collected with a decontaminated teflon bailer and new nylon cord. Sample material was poured directly from the bailer into sample bottles provided by IEPA's Contract Laboratory Program, except for the portion of the sample to be analyzed for metals. This portion was poured directly into a plastic jug, and run through a filter using a Masterflex pump. This water was filtered directly into sample bottles. Appropriate preservatives were added to the bottles and the bottles were packaged according to standard IEPA Site Assessment Program procedures. The samples were shipped to Weston Gulf Coast Laboratories, Inc. in University Park, Illinois. The analytical results reported by Weston Gulf Coast Laboratories were reviewed by the Illinois EPA Division of Laboratories, Quality Assurance Section. All groundwater samples were analyzed for the full Target Compound List.

3.6 ANALYTICAL RESULTS

A wide variety of compounds were detected in samples collected on and off site. Tables 3-3, 3-4 and 3-7 summarize these findings, while the validated laboratory data package can be found in Appendix F of this report.

Laboratory analyses of the samples collected from the onsite surface material revealed the presence of volatile and semivolatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), and inorganic compounds. Residential soil

samples contained semivolatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), and inorganic compounds. Sediment samples collected from the Lake Michigan harbor and Pettibone Creek contained volatile and semivolatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), and inorganic compounds.

Groundwater samples were found to contain volatile organic compounds, pesticides, polychlorinated biphenyls (PCBs), and inorganic constituents.

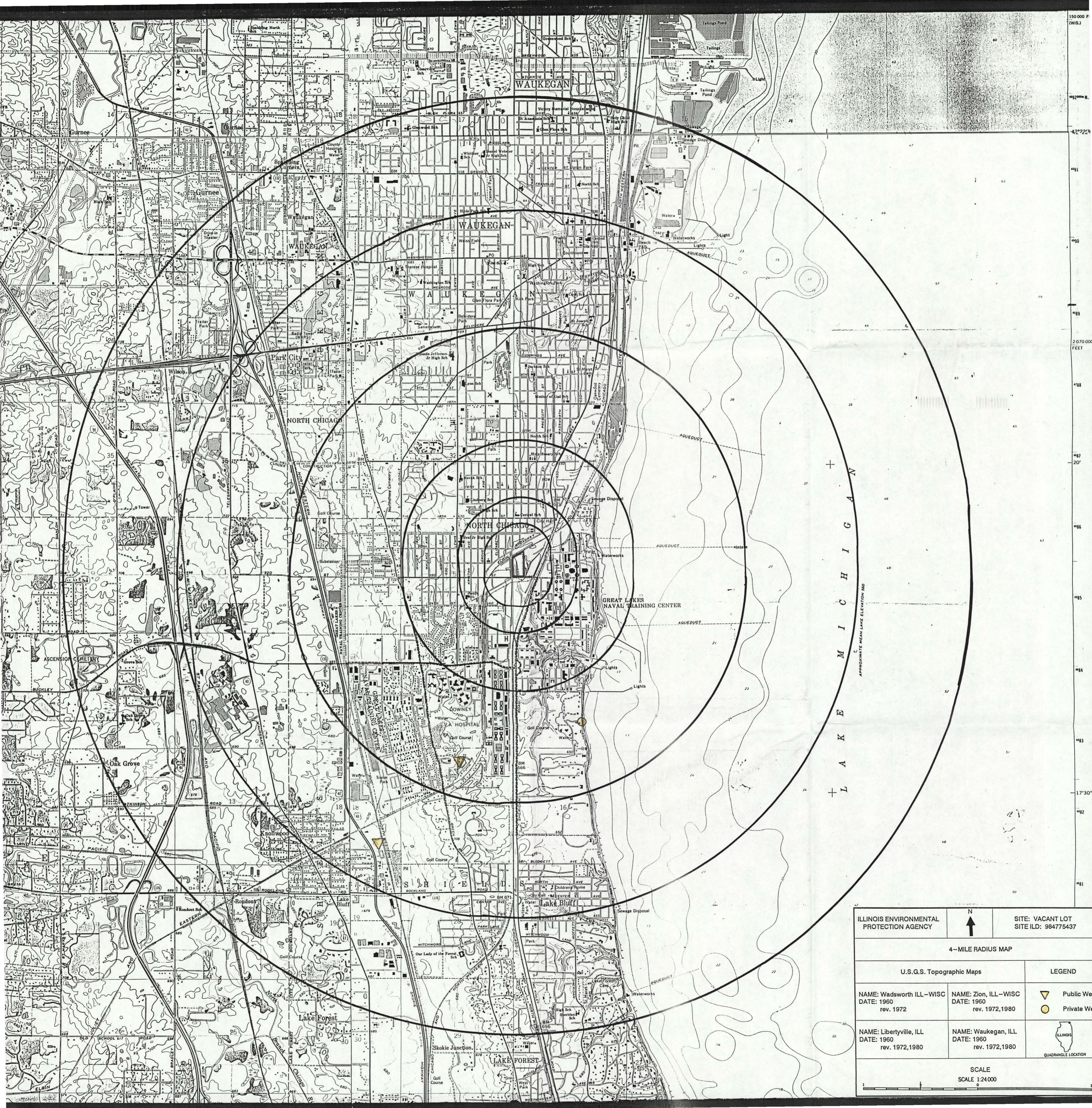
Several compounds were detected above the health-based benchmarks cited in the Superfund Chemical Data Matrix. Aldrin, arsenic, benzo(a)pyrene, beryllium, DDE, and PCBs were detected in the onsite surface material at levels exceeding the benchmarks for the soil exposure pathway for residential lawns. The residential soil samples revealed arsenic, beryllium, dieldrin, heptachlor epoxide, and PCBs at concentrations above the benchmarks for the soil exposure pathway. Also, the following compounds were detected in groundwater samples at levels exceeding the benchmarks cited for the groundwater pathway (which applies to drinking water): acetone, aldrin, boron, cadmium, chlordane, 1,1-dichloroethene, 1,-2-dichloroethene, 4,4'-DDT, endrin, manganese, PCBs, trichloroethene, vinyl chloride, and zinc. Each of these compounds, excluding 1,1-dichloroethene and vinyl chloride, was also found to be present onsite.

Six inorganic parameters were detected at levels above or within the range of U.S. EPA CERCLA Removal Action Levels (RALs). Arsenic and lead were found above the RALs both onsite and in the residential area. Beryllium, cadmium, chromium, and copper were found onsite above the RALs.

3.7 KEY SAMPLES

Key samples are those samples collected during the integrated assessment that indicate observed contamination, or meet the HRS definition of an observed release. These are the samples in which contaminants are attributable to the site and are detected at three times the concentration found in the appropriate background sample (or at levels exceeding the background sample detection limit for compounds not detected in background sample).

Table 3-6 (Key Groundwater and Sediment Sample Summary) identifies those samples taken during the CERCLA Integrated Assessment that meet these criteria. Although the contamination found in the residential samples is not attributable to the vacant lot source, several compounds were detected in these samples at levels three times above the background concentrations. These compounds are summarized in Table 3-5. For a review of all contaminants detected in samples taken during the site inspection, the reader is referred to Tables 3-3, 3-4, and 3-7.



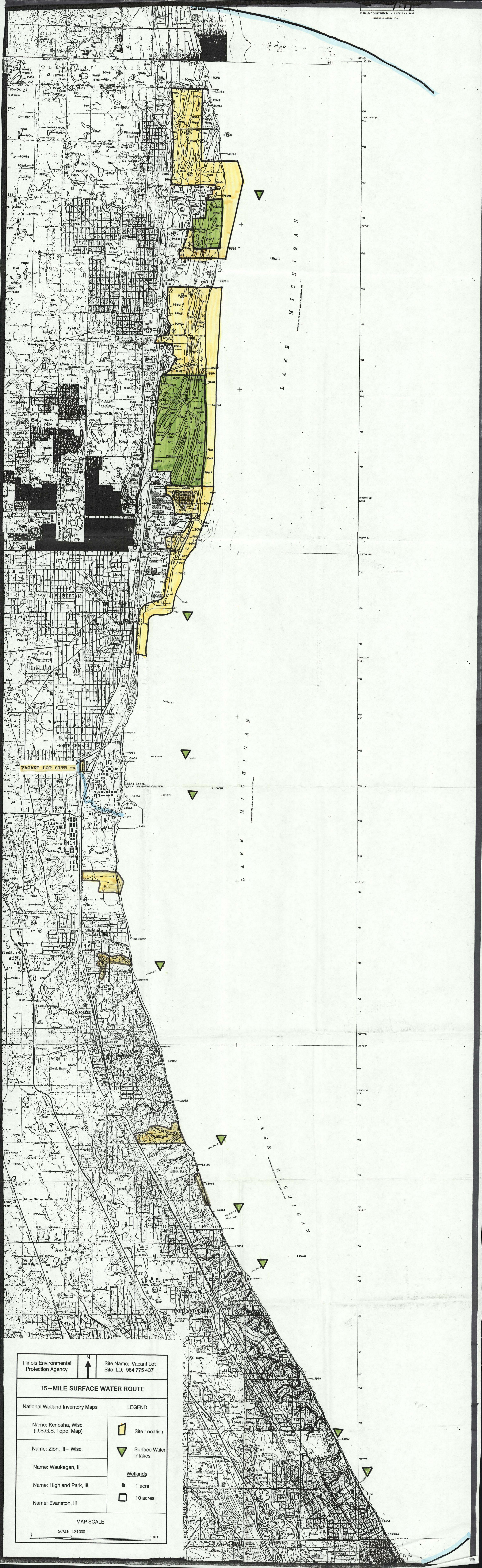


TABLE 3-3

SOIL SAMPLE SUMMARY
(Resid. samples not analyzed for volatile organics)SAMPLING POINT
PARAMETER

Non-Responsive

SEMOVOLATILES	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Naphthalene	440.00 U	1600.00 J	--	--	--	--
Aceanaphthalene	440.00 U	1600.00 J	--	--	--	--
Dibenzofuran	440.00 U	1300.00 J	--	--	--	--
Phenanthrene	280.00 J	13000.00	690.00 J	1200.00	1400.00	94.00 J
Anthracene	440.00 U	2600.00 J	--	--	--	--
Carbazole	440.00 U	3300.00		210.00 J	280.00 J	
Fluoranthene	490.00	16000.00	1000.00 J	1800.00	2000.00	200.00 J
Pyrene	420.00 J	13000.00	960.00 J	1500.00	1700.00	170.00 J
Benzo(a)anthracene	180.00 J	7700.00	540.00 J	840.00	1100.00	110.00 J
Chrysene	440.00 U	6800.00	--	1100.00	--	--
bis(2-Ethylhexyl)phthalate	150.00 J	--	940.00 J	--	--	99.00 J
Benzo(b)fluoranthene	340.00 J	8800.00	590.00 J	1100.00	1200.00	270.00 J
Benzo(k)fluoranthene	440.00 U	7100.00	470.00 J	--	740.00 J	--
Benzo(a)pyrene	440.00 U	7900.00	550.00 J	740.00	1000.00	--
Indeno(1,2,3-cd)pyrene	440.00 U	4000.00	--	420.00 J	570.00 J	--
Benzo(g,h,i)perylene	440.00 U	3900.00	--	--	620.00 J	--
PESTICIDES	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
gamma-BHC (Lindane)	2.30 UJ	--	--	--	--	0.20 J
Heptachlor	2.30 U	--	--	1.80 J	--	0.83 J
Aldrin	1.00 JP	17.00 P	6.70 P	4.80 P	--	3.20 P
Heptachlor epoxide	0.62 J	--	7.50	3.50 J	3.30	--
Dieldrin	4.40 U	38.00	16.00	8.10 P	4.70 P	43.00
4,4'-DDE	4.60 PJ	220.00 P	70.00 P	94.00 P	71.00 PJ	4.80 J
Endrin	6.60	--	25.00 P	--	28.00	--
4,4'-DDD	4.40 UJ	--	--	56.00	31.00 J	2.30 J
Endosulfan sulfate	4.40 UJ	94.00 P	11.00	55.00	28.00	1.20 J
4,4'-DDT	6.40 PJ	580.00 P	92.00 P	77.00 P	97.00 PJ	15.00 J
Methoxychlor (Mariate)	23.00 UJ	--	110.00 PJ	--	--	--
alpha-Chlorodane	2.30 U	23.00 P	16.00 P	7.90	26.00	7.00
gamma-Chlorodane	1.20 J	25.00	10.00 P	5.80	13.00	3.30
Aroclor-1232	44.00 U	--	110.00 P	--	--	--
Aroclor-1248	44.00 U	280.00 P	--	--	--	--
Aroclor-1254	43.00 JP	1700.00	460.00 P	370.00 P	--	--
Aroclor-1260	180.00	1900.00 P	760.00 P	680.00 P	390.00 P	180.00 P
INORGANICS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	14900.00	7310.00	9570.00	7610.00	12100.00	13700.00
Antimony	15.10 U	--	--	--	--	12.80 B
Arsenic	7.73	9.68	8.06	5.01	9.47	9.47
Banum	77.20	178.00	106.00	112.00	129.00	86.90
Beryllium	1.00 B	2.00 B	1.40	1.00 B	1.30	0.97
Cadmium	0.82 U	17.60	8.60	--	9.90	--
Calcium	6710.00	26300.00	15700.00	18700.00	17800.00	23300.00
Chromium	22.50	90.90	30.90	16.80	24.20	21.40
Cobalt	14.00 B	8.20	12.00 B	5.30 B	11.90 B	13.40
Copper	33.20	3020.00	1950.00	1380.00	1180.00	362.00
Iron	23500.00	13600.00	16600.00	10700.00	23500.00	24800.00
Lead	46.75	1780.00	1110.00	542.00	910.00	198.00
Magnesium	6740.00	8700.00	7750.00	4300.00	9320.00	14900.00
Manganese	758.00	993.00	603.00	247.00	736.00	814.00
Mercury	0.07 B	1.77	0.61	0.41	0.36	0.11
Nickel	26.80	155.00	87.30	72.60	58.00	37.20
Potassium	2700.00	1650.00 B	1800.00 B	1560.00 B	2390.00	2440.00
Selenium	0.28 UJ	2.79 J	--	--	--	--
Silver	0.82 U	3.30 B	1.70 B	--	0.70 B	--
Sodium	67.90 B	167.00 B	82.40 B	202.00 B	112.00 B	67.80 B
Vanadium	29.10	18.70	21.60	16.10	28.50	27.80
Zinc	124.00	3470.00	4830.00	5810.00	10700.00	1840.00

VACANT LOT
ILD 984775437

TABLE 3-4
SEDIMENT SAMPLE SUMMARY

SAMPLING POINT	X201 Sed. Bkgrd. 5-5-93	X202 Sediment 5-4-93	X203 Sediment 5-4-93	X204 Sediment 5-4-93	X205 Sediment 5-4-93	X206 Sediment 4-26-94
VOLATILES ug/kg						
Vinyl Chloride	13 U	--	58	2200	140	--
Acetone	7 J	21	1200	--	15 J	20
Carbon Disulfide	18 U	3 J	--	--	--	--
1,1-Dichloroethene	13 U	--	47	8800	220	--
1,2-Dichloroethene (total)	13 U	91	1300	--	--	--
Chloroform	13 U	--	4 J	--	--	--
2-Butanone	13 U	4 J	7 J	--	4 J	20
1,1,1-Trichloroethane	13 U	--	220	--	--	13
Trichloroethene	13 U	60	62	550 J	--	--
4-Methyl-2-Pentanone	13 U	--	3 J	--	--	--
Tetrachloroethene	13 U	--	11 J	--	--	--
Toluene	13 U	--	10 J	--	--	4 J
Ethylbenzene	13 U	--	5 J	--	--	--
Xylene (total)	13 U	--	31 J	--	--	6 J
2-Heptanone	U	--	110 JN	--	--	--
Methane, Thiole	U	22 JN	--	--	--	--
SEMIVOLATILES ug/kg						
Carbazole	430 U	--	--	1100 J	1500 J	1500
Naphthalene	430 U	--	--	250 J	--	800
Acenaphthalene	430 U	--	--	380 J	580 J	850
4-Nitrophenol	1000 R	21000 R	--	--	--	--
4-Nitroaniline	1000 R	21000 R	--	2900 R	5100 R	--
Phenanthrene	230 J	--	2100 J	6500	9800	5700
Anthracene	430 U	--	--	500 J	1100 J	--
Fluoranthene	520	3800 J	3400 J	7400	14000	2000
Pyrene	470	4200 J	3500 J	5400	13000	1100
Benz(a)anthracene	850 J	2800 J	--	2700	7500	--
Chrysene	430 U	--	--	2900	7500	3800
bis(2-Ethylhexyl)phthalate	270 J	13000	34000	--	--	--
Benzo(b)fluoranthene	780	--	--	3100	7100	--
Benzo(k)fluoranthene	430 U	--	--	2600	7800	8500
Benzo(a)pyrene	410 J	2000 J	--	2900	8200	2500
Indeno(1,2,3-cd)pyrene	210 J	--	--	--	2000	--
Benzo(g,h,i)perylene	430 U	--	--	--	3000	--
Dioctadecamono(2ET-HX) EST	U	170000 JN	--	--	--	--
Dibenzofuran	430 U	--	--	--	--	600
Fluorene	430 U	--	--	--	--	980
PESTICIDES ug/kg						
alpha-BHC	2.2 U	--	--	1.3 JP	1.4 J	6.6 P
gamma-BHC (Lindane)	2.2 U	2 J	--	--	--	--
Heptachlor	2.2 U	--	2 JP	--	--	--
Aldrin	1.8 JP	10 P	11 P	27	9 P	--
Dieldrin	1.3 J	6 P	2.3 JP	26	0.5 P	12 P
4,4'-DDE	45 PJ	--	--	--	--	350
Endrin	3.9 JP	--	100 P	--	--	62 P
Endosulfan II	4.3 U	28	--	--	13	--
4,4'-DDD	66 PJ	--	--	--	--	610
Endosulfan sulfate	18	47	--	44	--	--
4,4'-DDT	56 PJ	4.3 JP	42 PJ	21 P	200 D	190
Endrin Ketone	4.3 U	23 P	--	25 P	--	--
alpha-Chlordene	2.2 J	12	3.1 P	18 P	30	19
gamma-Chlordene	1.7 J	7.1 P	22	20 P	28	21 P
Aroclor-1254	84 JP'D	900 D	1500 PD	2600 PD	1100 P	--
Aroclor-1260	430 U	880 PD	2300 PD	4700 DC	3100 PD	--
INORGANICS mg/kg						
Aluminum	5800	6270	2020	6830	4420	4180
Anerobic	3.89	9.37	4.87	6.84	21.95	8.8
Barium	31	81.2	36.6	80.7	58.5	31.6 B
Beryllium	0.518	5.1	--	1.4 B	0.88 B	.8 B
Cadmium	1.3 U	3.3	--	--	--	.9 B
Calcium	54900	52200	14900	87200	38000	39700
Chromium	12.2	29	7.6	17.6	21	12.9
Cobalt	6.8	7.2 B	3.3 B	6.2 B	4.8 B	6 B
Copper	17.2	3120	74.5	750	157	159
Iron	13800	19000	5300	17600	11900	12000
Lead	16.9	1410	65.7	779	258	149
Magnesium	28000	26900	7770	19900	19000	20500
Manganese	506	476	136	319	274	342
Mercury	0.18	0.47	0.089 B	0.89	0.3	.18
Nickel	14.5	60.1	6.7 B	27.7	16.4	24.9
Potassium	1390	637 B	428 B	1150 B	740 B	845
Silver	0.64 U	0.8 B	--	1.9 B	--	1.5 B
Sodium	163 B	808 B	125 B	550 B	512 B	463 B
Vanadium	15.6	14.1	5.4 B	18.6	13.9	14.2
Zinc	70.7	9480	300	3270	665	664
Boron	2.4 U	109	--	28.4	--	N.A.

N.A. = NOT ANALYZED

VACANT LOT
ILD 984775437

TABLE 3-4
GROUNDWATER SAMPLE SUMMARY

SAMPLING POINT	G101 Grd. Wtr. Bkgrd. 5-5-93	G102 Grd. Wtr. 5-5-93	G103 Grd. Wtr. 5-5-93	G104 Dup. of G103 5-5-93
PARAMETER	ug/l	ug/l	ug/l	ug/l
VOLATILES				
Vinyl Chloride	10 U	2800 D	--	--
Acetone	10 U	5 J	--	--
1,1-Dichloroethene	10 U	59	--	--
1,1-Dichloroethane	10 U	7 J	--	--
1,2-Dichloroethene (total)	10 U	410 DJ	--	--
Trichloroethene	10 U	97	--	--
SEMIVOLATILES	ug/l	ug/l	ug/l	ug/l
No Semivolatiles Detected	--	--	--	--
PESTICIDES	ug/l	ug/l	ug/l	ug/l
alpha-BHC	0.007 JP	0.0058 JP	0.0051 JP	--
beta-BHC	0.05 U	--	--	0.025 JP
Aldrin	0.0041 JP	0.0043 JP	0.0061 JP	--
Endrin	0.1 U	0.0094 JP	--	--
4,4'-DDT	0.0058 JP	--	0.0061 JP	0.006 JP
alpha-Chlordane	0.003 JP	0.039 J	0.0036 JP	--
Aroclor-1254	1 U	--	0.19 JP	--
INORGANICS	ug/l	ug/l	ug/l	ug/l
Aluminum	26.4 B	--	--	--
Barium	107 BJ	61.7 BJ	61.7 BJ	63.2 BJ
Cadmium	16.4	--	--	--
Calcium	133000	105000	119000	121000
Copper	188	--	--	--
Iron	103	--	--	--
Lead	6.1 J	--	--	1.55 BJ
Magnesium	24900	48400	43700	44900
Manganese	33.6	591	902	1050
Nickel	42.0	15 B	--	--
Potassium	18400	4230	4690 B	4560 B
Sodium	10300	75800	28200	28300
Zinc	7170	--	--	--
Sulfate	40200	77700	86000	87100
Boron	510	3650	857	825

TABLE 3 - 5
 "KEY" RESIDENTIAL SOIL SAMPLES
 VACANT LOT ILD984775437

SAMPLING POINT SAMPLING DATE	Non-Responsive					
SEMIVOLATILES	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Naphthalene	440.0 U	1600.0 J	--	--	--	--
Acenaphthene	440.0 U	1600.0 J	--	--	--	--
Dibenzofuran	440.0 U	1300.0 J	--	--	--	--
Phenanthrene	280.0 J	13000.0	--	1200.0	1400.0	--
Anthracene	440.0 U	2600.0 J	--	--	--	--
Carbazole	440.0 U	3300.0	--	--	--	--
Fluoranthene	490.0	16000.0	--	1800.0	2000.0	--
Pyrene	420.0	13000.0	--	1500.0	1700.0	--
Benzo(a)anthracene	180.0 J	7700.0	540.0 J	840.0	1100.0	--
Chrysene	440.0 U	6800.0	--	1100.0	--	--
bis(2-Ethylhexyl)phthalate	150.0 J	--	940.0 J	--	--	--
Benzo(b)fluoranthene	340.0 J	8600.0	--	1100.0	1200.0	--
Benzo(k)fluoranthene	440.0 U	7100.0	470.0 J	--	740.0 J	--
Benzo(a)pyrene	440.0 U	7900.0	550.0 J	740.0	1000.0	--
Indeno(1,2,3-cd)pyrene	440.0 U	4000.0	--	--	570.0 J	--
Benzo(g,h,i)perylene	440.0 U	3900.0	--	--	520.0 J	--
PESTICIDES	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aldrin	1.0 JP	17.0 P	6.7 P	4.8 P	--	3.2 P
Heptachlor epoxide	0.62 J	--	7.5	3.5 J	3.3	--
Dieldrin	4.4 U	38.0	16.0	8.1 P	4.7 P	43.0
4,4'-DDE	4.6 PJ	220.0 P	70.0 P	94.0 P	71.0 PJ	--
Endrin	6.6	--	25.0 P	--	28.0	--
4,4'-DDD	4.4 UJ	--	--	56.0	31.0 J	--
Endosulfan sulfate	4.4 UJ	94.0 P	11.0	55.0	28.0	--
4,4'-DDT	6.4 PJ	580.0 P	92.0 P	77.0 P	97.0 PJ	--
Methoxychlor (Mariate)	23.0 UJ	--	110.0 PJ	--	--	--
alpha-Chlordane	2.3 U	23.0 P	16.0 P	7.9	26.0	7.0
gamma-Chlordane	1.2 J	25.0	10.0 P	5.8	13.0	--
Aroclor-1232	44.0 U	--	110.0 P	--	--	--
Aroclor-1254	43.0 JP	1700.0	460.0 P	370.0 P	--	--
Aroclor-1260	180.0	1900.0 P	760.0 P	680.0 P	--	--
INORGANICS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Cadmium	0.82 U	17.6	8.6	--	9.9	--
Chromium	22.5	90.9	--	--	--	--
Copper	33.2	3020.0	1950.0	1380.0	1160.0	382.0
Lead	46.75	1760.0	1110.0	542.0	910.0	198.0
Mercury	0.07 B	1.77	0.61	0.41	0.36	--
Nickel	26.8	155.0	87.3	--	--	--
Selenium	0.28 UJ	2.79 J	--	--	--	--
Silver	0.82 U	3.30 B	1.7 B	--	--	--
Zinc	124.0	8470.0	4830.0	5810.0	10700.0	1840.0

Residential samples were not analyzed for volatile organic compounds.

TABLE 3-6
KEY GROUNDWATER AND SEDIMENT SAMPLE SUMMARY
VACANT LOT ILD984775437

SAMPLING POINT SAMPLING DATE	G101 5-5-93 Bckgrnd. Grd.Wtr.	G102 5-5-93 Grd.Wtr.	G103 5-5-93 Grd.Wtr.	G104 5-5-93 Grd.Wtr.	X201 5-5-93 Bckgrnd. Sediment	X202 5-4-93 Sediment	X203 5-4-93 Sediment	X204 5-4-93 Sediment	X205 5-4-93 Sediment	X206 4-26-94 Sediment
VOLATILES	ug/l	ug/l	ug/l	ug/l	ug/kg	ug/kg				
Vinyl Chloride	10.0 U	2800.0 D	--	--	15.0 U	--	58.0	2200.0	140.0	--
Acetone	10.0 UJ	--	--	--	7.0 J	21.0	1200.0	--	--	26
Carbon Disulfide	10.0 U	--	--	--	13.0 U	3.0 J	--	--	--	--
1,1-Dichloroethene	10.0 U	59.0	--	--	13.0 U	--	--	--	--	--
1,1-Dichloroethane	10.0 U	--	--	--	13.0 U	--	47.0	--	--	--
1,2-Dichloroethene (tot)	10.0 U	410.0 DJ	--	--	13.0 U	91.0	1300.0	3800.0	220.0	--
1,1,1-Trichloroethane	10.0 U	--	--	--	13.0 U	--	230.0	--	--	13
Trichloroethene	10.0 U	97.0	--	--	13.0 U	60.0	82.0	550.0 J	--	--
Xylene (total)	10.0 U	--	--	--	13.0 U	--	31.0 J	--	--	--
2-Heptanone	--	--	--	--	--	--	110.0 JN	--	--	--
Methane, Thiobis	--	--	--	--	--	22.0 JN	--	--	--	--
2-Butanone	10.0 UJ	--	--	--	13 U	--	--	--	--	20
SEMIVOLATILES	ug/l	ug/l	ug/l	ug/l	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acenaphthene	10.0 U	--	--	--	430.0 U	--	--	--	560.0 J	850
Phenanthrene	10.0 U	--	--	--	230.0 J	--	2100.0 J	5500.0	9500.0	5700
Anthracene	10.0 U	--	--	--	430.0 U	--	--	500.0 J	1100.0 J	1200
Carbazole	10.0 U	--	--	--	430.0 U	--	--	1100.0 J	1800.0 J	1500
Fluoranthene	10.0 U	--	--	--	520.0	3900.0 J	3400.0 J	7400.0	14000.0	2000
Pyrene	10.0 U	--	--	--	470.0	4200.0 J	3600.0 J	5400.0	13000.0	--
Benz(a)anthracene	10.0 U	--	--	--	350.0 J	2800.0 J	--	2700.0	7500.0	--
Chrysene	10.0 U	--	--	--	430.0 U	--	--	2900.0	7500.0	3800
bis(2-Ethylhexyl)phthalate	10.0 U	--	--	--	270.0 J	13000.0	34000.0	--	--	--
Benz(b)fluoranthene	10.0 U	--	--	--	780.0	--	--	3100.0	7100.0	--
Benz(k)fluoranthene	10.0 U	--	--	--	430.0 U	--	--	2600.0	7900.0	3500
Benz(a)pyrene	10.0 U	--	--	--	410.0 J	2000.0 J	--	2900.0	8200.0	2500
Indeno(1,2,3-cd)pyrene	10.0 U	--	--	--	210.0 J	--	--	2900.0	--	--
Benzo(g,h,i)perylene	10.0 U	--	--	--	430.0 U	--	--	3000.0	--	--
Dioicaciamono(2ET.HX)EST	--	--	--	--	--	170000.0 JN	--	--	--	--
Naphthalene	10.0 U	--	--	--	430 U	--	--	--	--	500
PESTICIDES	ug/l	ug/l	ug/l	ug/l	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aldrin	.0041	--	--	--	1.8 JP	10.0 P	11.0 P	27.0	9.0 P	--
Dieldrin	.10U	--	--	--	1.3 J	6.0 P	--	28.0	9.5 P	12 P
Endrin	.10U	--	--	--	3.3 JP	--	100.0 P	--	--	--
Endosulfan II	.10U	--	--	--	4.3 U	28.0	--	--	13.0	--
Endosulfan sulfate	.10U	--	--	--	13.0	47.0	--	44.0	--	--
4,4'-DDT	.0056 JP	--	--	--	35.0 PJ	--	--	--	200.0 D	190
Endrin Ketone	.10U	--	--	--	4.3 U	23.0 P	--	25.0 P	--	--
alpha-Chlordane	0.003 JP	0.039 J	--	--	2.2 J	12.0	--	18.0 P	30.0	19
gamma-Chlordane	.05U	--	--	--	1.7 J	7.1 P	22.0	20.0 P	28.0	21 P
Aroclor-1254	1.0U	--	--	--	84.0 JPD	800.0 D	1800.0 PD	2600.0 PD	--	1100 P
Aroclor-1260	1.0U	--	--	--	200.0 P	880.0 PD	2300.0 PD	4700.0 DC	3100.0 PD	--
alpha-BHC	.007 JP	--	--	--	2.2 UJ	--	--	--	--	5.5 P
4,4'-DDE	.10U	--	--	--	46 PJ	--	--	--	--	350
4,4'-DDD	.10U	--	--	--	4.3 U	--	--	--	--	610
INORGANICS	ug/l	ug/l	ug/l	ug/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	1.0U	--	--	--	3.89	--	--	--	21.96	--
Boron	510.0	3850.0	--	--	2.4 U	109.0	--	28.4	--	--
Cadmium	18.4	--	--	--	1.3 U	3.3	--	--	--	--
Copper	188	--	--	--	17.2	3120.0	74.5	759.0	157.0	159
Lead	8.1J	--	--	--	18.9	1410.0	65.7	779.0	258.0	149
Manganese	33.6	691.0	902.0	1050.0	505	--	--	--	--	--
Mercury	0.03U	--	--	--	0.18	--	--	0.89	--	--
Nickel	42.6	--	--	--	14.5	60.1	--	--	--	--
Silver	3.0U	--	--	--	0.64 U	0.8 B	--	1.9 B	--	--
Sodium	10300.0	75800.0	--	--	183B	--	--	--	--	--
Zinc	7170	--	--	--	70.7	9480.0	300.0	3270.0	665.0	664
Sulfate	40200	--	--	--	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

N.A. = Not Analyzed

VACANT LOT
ILD984775437

TABLE 3-7
VACANT LOT SOURCE CONTAMINANTS

SAMPLING POINT PARAMETER	X102 Surface Material 5-4-93	X103 Surface Material 5-4-93	X104 Surface Material 5-4-93	X105 Dup. X104 5-4-93	X107 Surface Material 5-4-93
VOLATILES	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	19.00	--	--	4.00 J	7.00 J
1,2-Dichloroethene (total)	29.00	--	--	--	58.00
Chloroform	3.00 J	--	--	--	--
2-Butanone	18.00	--	--	--	--
Trichloroethene	440.00	--	--	--	130.00 J
Tetrachloroethene	5.00 J	--	--	--	24.00 J
Toluene	7.00 J	--	--	--	--
SEMOVATILES	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Naphthalene	--	250.00 J	--	--	350.00 J
2-Methylnaphthalene	--	460.00 J	--	--	270.00 J
Acenaphthylenes	--	330.00 J	--	--	--
Phenanthrene	250.00 J	3600.00	180.00 J	230.00 J	700.00 J
Anthracene	--	320.00 J	--	--	--
Fluoranthene	270.00 J	4000.00	190.00 J	340.00 J	1100.00 J
Pyrene	290.00 J	3700.00	260.00 J	360.00 J	1600.00
Benzo(a)anthracene	190.00 J	2300.00	--	260.00 J	1000.00 J
Chrysene	--	2800.00	--	--	--
bis(2-Ethylhexyl)phthalate	200.00 J	--	--	--	1500.00
Benzo(b)fluoranthene	440.00	3400.00	480.00	1100.00	990.00 J
Benzo(k)fluoranthene	--	2400.00	--	--	--
Benzo(a)pyrene	--	2400.00	230.00 J	570.00	520.00 J
PESTICIDES	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aldrin	66.00	67.00	24.00	28.00	49.00
Heptachlor epoxide	27.00 P	--	--	--	--
Endosulfan I	--	--	--	0.68 JP	--
Dieldrin	--	15.00 P	3.70 J	4.90	--
4,4'-DDE	--	--	--	--	1800.00 PCDJ
Endrin	--	170.00	--	--	--
Endosulfan II	--	59.00	5.70	7.40	--
4,4'-DDD	--	--	--	--	1100.00 PCDJ
Endosulfan sulfate	5.50	--	--	--	12.00
4,4'-DDT	--	180.00 D	8.90 PJ	12.00 PJ	1400.00 PCDJ
Methoxychlor (Mariate)	18.00 JP	250.00 JD	--	--	39.00 PJ
gamma-Chlordane	22.00 P	41.00	5.30 P	4.50 P	18.00 P
Aroclor - 1232	--	--	120.00 P	160.00 P	--
Aroclor - 1242	--	--	230.00 P	--	--
Aroclor - 1254	1800.00 PD	2100.00 PD	400.00 P	520.00 P	4400.00 PD
Aroclor - 1260	770.00 PD	5400.00 PD	510.00	620.00	1400.00 PD
INORGANICS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	17000.00	6690.00	13100.00	14900.00	12100.00
Arsenic	23.20	485.00	22.60	29.80	16.40
Barium	384.00	120.00	204.00	310.00	227.00
Beryllium	54.90	2.10	58.10	57.70	15.90
Cadmium	35.80	6.60	18.50	19.10	21.70
Calcium	17500.00	42400.00	19800.00	19400.00	24300.00
Chromium	228.00	32.30	133.00	138.00	107.00
Cobalt	44.00	22.90	48.20	38.00	41.40
Copper	38500.00	910.00	27900.00	28500.00	14300.00
Iron	60000.00	39100.00	58600.00	68100.00	27600.00
Lead	12600.00	558.00	8960.00	8810.00	6680.00
Magnesium	6130.00	20900.00	9210.00	8600.00	9300.00
Manganese	2540.00	539.00	3190.00	3440.00	1200.00
Mercury	1.13	0.66	0.33	0.29	3.23
Nickel	760.00	46.90	551.00	572.00	273.00
Potassium	489.00 B	1110.00 B	803.00 B	860.00 B	1590.00 B
Selenium	4.05	--	5.57 J	5.86 J	5.41 J
Silver	9.90	3.30	8.40	8.90	49.20
Sodium	2680.00	400.00 B	5610.00	7160.00	916.00 B
Vanadium	24.40	26.10	20.80	22.50	24.90
Zinc	99000.00	1970.00	82500.00	89300.00	37200.00
Boron	1040.00	38.20	2020.00	2330.00	195.00

Sample X106 was not collected.

DATA QUALIFIERS

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICS) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
C	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
B	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor as in the "E" flag, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and <u>all</u> concentration values are flagged with the "D" flag.	Not used.
E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference.
A	This flag indicates that a TIC is a suspected aldol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
M	Not used.	Duplicate injection (a QC parameter not met).

N	Not used.	Spiked sample (a QC parameter not met).
S	Not used.	The reported value was determined by the Method of Standard Additions (MSA).
W	Not used.	Post digestion spike for Furnace AA analysis (a QC parameter) is out of control limits of 85% to 115% recovery, while sample absorbance is less than 50% of spike absorbance.
*	Not used.	Duplicate analysis (a QC parameter not within control limits).
+	Not used.	Correlation coefficient for MSA (a QC parameter) is less than 0.995.
P	Not used.	Method qualifier indicates analysis by ICP (Inductively Coupled Plasma) Spectroscopy.
CV	Not used.	Method qualifier indicates analysis by Cold Vapor AA.
AV	Not used.	Method qualifier indicates analysis by Automated Cold Vapor AA.
AS	Not used.	Method qualifier indicates analysis by Semi-Automated Cold Spectrophotometry.
T	Not used.	Method qualifier indicates Titrimetric analysis.
NR	The analyte was not required to be analyzed.	The analyte was not required to be analyzed.
R	Rejected data. The QC parameters indicate that the data is not usable for any purpose.	Rejected data. The QC parameters indicate that the data is not usable for any purpose.

SECTION 4

CHARACTERIZATION OF SOURCES

4. CHARACTERIZATION OF SOURCES

4.1 INTRODUCTION

Information obtained through CERCLA activities concerning the vacant lot and other nearby sites has led to the identification of one source, a tailings pile, at the vacant lot site. Due to the limited scope of these screening activities, the possibility exists that further investigation of the site could reveal additional information that would further characterize this source, or perhaps lead to the identification of additional sources.

4.2 TAILINGS PILE

As detailed in Section 2.3 of this report, sources indicate that historically the lot (along with other area properties) has been utilized as a dumping ground for various industrial waste materials. Information currently available indicates that much of this waste material likely consists of tailings and/or foundry sand. Other wastes may also have been deposited here.

During the CERCLA Integrated Assessment a hand auger was used to take borings around the perimeter of the lot to determine whether cinder material was present throughout the site. In some areas cinder material was seen at the surface, but not found beneath. In other areas the cinder material was found deeper - at least 3 feet deep. Borings performed by MAECORP, Inc. during installation of onsite monitor wells also revealed black gravelly,

sandy fill material at various depths. In general, cinder material can be found in all areas of the site although in some areas it is found just at the surface. In addition, a heap of cinder material, approximately 170 feet x 56 feet x 4 feet, is located on the lot. The Lake County Soil Survey classifies this property as "made land".

Because this cinder-like surface material is not originally part of the site, but has apparently been deposited here, this source is considered to be a pile rather than contaminated soil.

The vacant lot is approximately 1.8 acres, but is intersected by Pettibone Creek. It can be estimated that the area of the pile is therefore is between 1 and 1.8 acres.

The integrated assessment analytical results of onsite samples, X102 - X105, and X107, indicate that the material covering the lot contains various volatile and semivolatile organic compounds, pesticides, PCBs, and inorganic parameters. Table 3.7 lists the parameters detected in the source along with their concentrations.

Observations made at the vacant lot indicate that there is no type of containment in place. No liner is visible, nor do borings from the site reveal any natural or man-made liner. Surface water runoff is not controlled in any way. Runoff from

the site is free to flow into Pettibone Creek or into the street.

Additional contamination was discovered in residential lawns northeast of the site. However, because this contamination cannot be attributed to the vacant lot, since a method of deposition of material from the lot to the residential area is not clear, this area is not considered a source of the vacant lot. Other sources and possible methods of deposition of contaminants in this residential area should be explored.

SECTION 5

DISCUSSION OF MIGRATION PATHWAYS

5. DISCUSSION OF MIGRATION PATHWAYS

5.1 INTRODUCTION

The CERCLA Site Assessment Program identifies three migration pathways and one exposure pathway by which hazardous substances may pose a threat to human health and/or the environment. Consequently, sites are evaluated on their known or potential impact to these four pathways. The pathways evaluated are groundwater migration, surface water migration, soil exposure, and air migration.

This section presents and discusses information collected during the CERCLA Integrated Assessment of the vacant lot site. This information, together with information documented in other sources, will be utilized in analyzing the site's impact on the four pathways and the various human and environmental targets within the established target distance limits.

Discussions of the pathways will include pathway descriptions; sources of contamination; and targets, such as human populations, fisheries, endangered species, wetlands and other sensitive environments.

5.2 GROUNDWATER

As discussed previously, the site is generally covered with a cinder/slag type material. Borings from the lot (performed by

MAECORP Inc. during monitor well installation in 1989) show black gravelly sandy fill at various depths throughout the lot. The Lake County Soil Survey describes the soil type at the lot and neighboring areas as "made land".

According to a report by Environmental Resources Management - North Central, Inc., the natural geology of the area consists of glacial drift, primarily clay and silt, with interbedded sand and gravel deposits to a depth of approximately 160 feet. A sand and gravel deposit lies at the base of the glacial drift, and ranges in depth from 2 feet to over 20 feet. Underlying the basal sand unit, Silurian dolomite (approximately 240 feet thick) extends as deep as 400 feet below the surface. According to the report, a good hydraulic connection exists between the Silurian dolomite and overlying glacial drift. The Silurian dolomite is underlain by Maquoketa Shale, Galena-Platteville Dolomite, and Glenwood-St. Peter Sandstone.

The interconnected glacial deposits and Silurian dolomite aquifer system is considered the aquifer of concern at this site. The Maquoketa shale acting as a confining layer, separates the glacial and dolomite deposits from the underlying (Galena-Platteville) Dolomite and (Glenwood-St. Peter) Sandstone.

Although the majority of the population within 4 miles of the site obtains drinking water from Lake Michigan, groundwater is also

utilized for drinking. According to Illinois EPA Division of Public Water Supplies and well data obtained from the Illinois State Water Survey, the drinking wells within four miles drawing water from the aquifer of concern include two public water supply wells (one within 1-2 miles and one within 2-3 miles); three non-community public wells (all within 2-3 miles); and approximately 215 private wells. The nearest known drinking-water well drawing from the aquifer of concern is a private well located approximately 1.5 miles south-southeast of the site. Although other wells do exist within the 4-mile target distance limit, none of these are known to draw from the aquifer of concern. Approximate groundwater populations within each distance ring are summarized below.

Groundwater Target Populations

<u>Distance (miles)</u>	<u>Private Wells</u>	<u>Public Wells</u>	<u>Non-Community Wells</u>	<u>Total Population</u>
0 - 1/4	0	0	0	0
1/4 - 1/2	0	0	0	0
1/2 - 1	0	0	0	0
1 - 2	15	1	0	115
2 - 3	32	1	3	3160
3 - 4	168	0	0	1820

Population based on Lake County average of
2.97 people/household.

No sources are known to lie within a designated wellhead protection area. However, two wellhead protection areas do exist within the

4-mile target distance limit, one within 1-2 miles and the other within 2-3 miles from the site.

As discussed in Section 3.6, groundwater samples collected from onsite monitor wells were found to contain seven compounds exceeding the health-based benchmarks cited in the Superfund Chemical Data Matrix. These compounds are boron, chlordane, 1,1-dichloroethene, 1,2-dichloroethylene, manganese, trichloroethylene, and vinyl chloride. Each of these compounds, except 1,1-dichloroethene and vinyl chloride, was also detected in samples collected from the vacant lot surface material.

5.3 SURFACE WATER PATHWAY

Surface water runoff from the vacant lot drains into Pettibone Creek, which runs through the site. Although the U.S.G.S. topographic map does not show this portion of the creek as perennial, according to a local authority, the creek normally has a constant flow, and so is considered perennial. Upon leaving the lot at the south end of the site, the creek crosses under Martin Luther King Jr. Drive and under a parking lot before resurfacing. The creek then continues in a southeasterly direction crossing under Sheridan Road and resurfacing in the Great Lakes Naval Training Center. The creek continues until it enters Lake Michigan. The total length of the creek from its point of origin to Lake Michigan is approximately 1.2 miles.

The watershed of Pettibone Creek consists of the city of North Chicago, and storm sewers collecting water from a large section of the city drain into the creek. According to Keith Humphries, the North Chicago Hazardous Materials Officer, due to sediment buildup in the creek, water that would normally flow down the creek through the lot, is diverted into the storm sewer system along Commonwealth before returning to the creek at Martin Luther King Jr. Drive. The city is considering dredging a portion of the creek to restore the natural flow of water along the creek bed.

Pettibone Creek, which according to Vernon Knapp of the Illinois State Water Survey has a calculated average flow of less than 10 cubic feet-per-second (cfs), is not used for drinking. According to an employee of the Public Works Center of the Great Lakes Naval Training Center, fish and frogs are present in the creek, and fish swim up Pettibone Creek from Lake Michigan to spawn. Ed Bickel of naval training center has also noted that children could play in the creek.

Lake Michigan is used for recreational purposes as well as a drinking water supply. The lake is used for swimming, and fishing is common in the inner harbor where Pettibone Creek enters the lake. Information from the IEPA Bureau of Public Water Supplies and from local water operators indicates that 10 communities have intakes located within the 15-mile surface water target distance limit. Populations associated with these intakes are shown below.

Surface Water Target Populations

<u>Intake Name</u>	<u>Population</u>
Zion-Benton	25,000
Waukegan	67,653
North Chicago	15,000
Great Lakes Naval Training Center	30,000
Lake Forest	15,800
Fort Sheridan	3,500
Highwood	5,500
Highland Park	31,580
Northbrook	33,200
Glencoe	9,200
Total:	236,433

Information provided to the Agency by the Illinois Department of Conservation documents the presence of sensitive environments along the Lake Michigan shoreline within the target distance limit. Twenty different state endangered or threatened species, eight state-designated natural areas and two state-designated nature preserves are located in or adjacent to Lake Michigan within the 15-mile surface water target distance limit. There are also an estimated 15.5 miles of Lacustrine wetland frontage along the lake's shoreline, according to the National Wetland Inventory prepared by U.S. Department of Interior.

According to a Federal Emergency Management Agency National Flood Insurance Rate Map, the waste source at the site lies in an "area of minimal flood hazards".

No surface water samples were collected during the CERCLA Integrated Assessment. However, three sediment samples (X202 - X204) were collected from the creek bed along the length of the vacant lot. Another sample (X205) was collected from the creek's point of origin just north of the site boundary, and one sample (X206) was collected from the inner harbor of Lake Michigan. Each of these sediment samples was found to contain volatile and semivolatile organic compounds, pesticides, PCBs, and excessive inorganic constituents.

5.4 AIR PATHWAY

No air samples were obtained, nor were any releases documented visually. The potential does exist for windblown particulates to carry contaminants off site as contaminants were found in site surficial soil, and much of the site is not vegetated. The elevated railroad, which forms the northern boundary of the site may impede the transport of contaminants to residential areas north of the site. Table 5-3, below, summarizes the target populations found within each distance ring. The populations were obtained from 1990 census data for municipal areas and from a count of homes on U.S.G.S. topographic maps for the rural areas. Census data indicates a 2.97 persons-per-household average for Lake County.

Air Target Populations

<u>Distance</u>	<u>Population</u>
On a source	0
Greater than 0 to 1/4 mile	700
Greater than 1/4 to 1/2 mile	3,239
Greater than 1/2 to 1 mile	15,089
Greater than 1 to 2 miles	33,031
Greater than 2 to 3 miles	24,896
Greater than 3 to 4 miles	23,635
TOTAL	100,590

National Wetland Inventory Maps, published by the U.S. Department of Interior indicate that no wetlands are present within 1/2 mile of the site.

5.5 SOIL EXPOSURE PATHWAY

Soil exposure is of particular concern at the vacant lot since access to the site is not restricted in any way. More importantly, it is known that portions of the lot are inhabited at times. Also, being located in an area with businesses and nearby residents, the vacant lot is used as a throughway.

Samples collected from the vacant lot show the presence of various contaminants in the site surface material. Contaminants include volatile and semivolatile organic compounds, pesticides, PCBs, and inorganic analytes. For specific compounds see Table 3-7 (vacant lot source contaminants). As discussed in Section 3.6 of this report, several of these compounds were found at concentrations that exceed the health-based benchmarks cited in

the Superfund Chemical Data Matrix for the soil exposure pathway for residential soils. These compounds are aldrin, arsenic, benzo(a)pyrene, beryllium, DDE, and PCBs.

As discussed in Section 4.2 of this report, soil samples collected from residential lawns were found to be contaminated as well, with some compounds exceeding health-based benchmarks and/or removal action levels. Although at this time the residential area is not considered to be a source of the vacant lot site, contamination in a residential area is a concern and should be investigated further.

SECTION 6

BIBLIOGRAPHY

6. BIBLIOGRAPHY

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Quadrangle.

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Quadrangle.

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Quadrangle.

APPENDIX A

Non-Responsive

No.	COUNTY NO. 773	STRATA	THICKNESS		DEPTH	
			FEET	IN.	FEET	IN.
PRECAMBRIAN SYSTEM						
		Till, calcareous, drift No complex	10		10	
		Till, calcareous, gray, Sporangites	10		20	
		Torpedo gravel, silty	75		92	
		Till, calcareous, gray, Sporangites, lower part silty	8		98	
			68		180	
SILURIAN SYSTEM						
		Dolomite, light gray, very fine	90		180	
		Dolomite, white, very fine, vesicular	90		270	
		Dolomite, cherty, very light gray, very fine	18		360	
		Dolomite, salty, light gray, little gray, very fine	37		380	
		Dolomite, light gray, slightly pinkish and greenish, orange in part, very fine	40		390	
		Dolomite, light gray, slightly brownish in part, very fine to fine	80		410	
		Dolomite, sandy, glauconitic, very light gray, very fine	10		420	
ORDOVICIAN SYSTEM						
		Maquoketa formation				
		Dolomite, white, fine	15		430	
		Dolomite, cherty, very light gray, in part silty and				

COUNTY

DRILL RECORD

Sample No. 2462

INDEX NO.

OD009



Non-Responsive

No.	STRATA	THICKNESS		DEPTH	
		FEET	IN.	FEET	IN.
	red greenish; shale, light green, weak	19		152	
	Dolomite, light gray, black specks, fine to coarse	7		500	
	Dolomite, silty in part, gray with coarse light gray grains; shale, greenish gray, weak	8		508	
	Shale, greenish gray, weak; dolomite, very silty, greenish gray, very fine	10		515	
	Dolomite, silty in part, light to dark gray, very fine to coarse	8		520	
	Shale, gray, weak; dolomite, silty, dark gray, fine	15		535	
	Shale, gray, weak	80		615	
	Galesburg formation				
	Dolomite, brownish gray to gray and light gray, very fine to fine	180		795	
	Beechwood formation				
	Dolomite, gray, abundant black specks, very fine to fine	8		800	
	Platteville formation				
	Dolomite, light to dark gray, mottled in part, brownish in part, very fine	15		815	
	Dolomite, grayish brown, white, very fine	25		860	
	Dolomite, mottled light and dark gray, grayish brown, very fine to fine	20		860	
	Dolomite, calcareous, sandy, gray, very fine to fine, semi-crystalline	80		860	

COUNTY Lake

DRILL RECORD Sample set #3551

(A678--DM--10-30)

INDEX NO. 0909

ILLINOIS GEOLOGICAL SURVEY, URBANA

Town North Chicago
 Company P. M. Gray, Jr.
 Farm Abbott Laboratories
 Authority Summary sample study
 Elevation 555 Top, map
 Collector
 Confidential Date Drilled 1931

(5)

R. 12E

T.			
45			
N			

Sec. 33.
S
NE
SW

No.	County no. / 770 strata	Thickness		Depth	
		Feet	In.	Feet	In.
	Samples studied by E.P., Dubois to 750', studied by P.T. Thwaites to total depth.				
	PLEISTOCENE SYSTEM				
	Till, sandy, brown, leached	10		10	
	Gravel	10		20	
	Till, grayish brown, containing sporangites	60		80	
	Sand, gravelly	5		85	
	Till, grayish brown, containing sporangites	5		90	
	Gravel, dirty	10		100	
	Gravel and sand, clean	5		105	
	ILLURIAN SYSTEM				
	Magaran series				
	Dolomite, gray, fine, crystalline, dense to porous	5		110	
	Dolomite, white, fine, crystalline, porous	5		115	
	Sand and little white to green shale	5		120	
	Dolomite, white, fine, crystalline, porous	70		190	
	Dolomite, gray to brown, fine, dense	5		195	
	Dolomite, white, fine, crystalline, porous	5		200	
	Dolomite, silty, gray, fine, granular; shale, gray, weak to shale, gray, dolomitic, very silty, weak	10		215	
				230	

COUNTY Line No. 4

58-468-12E

Summary Sample No. 770
(6640-20M) ILLINOIS GEOLOGICAL SURVEY, URBANA

(1-4)

SHEET

8

T. 40N

R. 12E

S. 53

COMPANY

P. M. Gray, Jr.

HOLE NO.

FARM

Abbott Laboratories

HOLE NO.

No.	Strata	Thickness		Depth	
		Foot	In.	Foot	In.
	Dolomite, cherty, silty, gray to white, fine, granular	10		240	
	Osgood? formation				
	Dolomite, argillaceous, greenish to pinkish gray, fine, crystalline to granular	10		250	
	Dolomite, argillaceous, greenish gray to pink, fine, crystalline to granular	10		260	
	Dolomite, argillaceous, white to reddish brown, fine; shale, red and green	20		280	
	Alexandrian series				
	Dolomite, very light grayish buff, fine, crystalline	55		355	
	EDOVIOTIAN SYSTEM				
	Eauclaire formation				
	Dolomite, white to gray to yellow, medium, vesicular	15		360	
	Shale, gray, weak	20		370	
	Same and dolomite, argillaceous, gray	70		440	
	Same and dolomite, white; some shale, green	60		500	
	Shale, gray, weak	20		520	
	Galena-Platteville formations				
	Dolomite, argillaceous, grayish brown, medium	50		570	
	Same and shale, green, firm	10		580	
	Dolomite, gray to brown, medium; some silty surfaces and black specks	80		660	
	Dolomite, noduled, white to brown; coarse, with black				

COUNTY Lake

33-40W-1SW

SHEET 3 T. 46N
COMPANY P. M. Gray, Jr.
FARM Abbott Laboratories

18E S. 53
HOLE NO.
HOLE NO.

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
	splotches and silty surfaces	40		710	
	Dolomite, some silty, gray to buff, fine to medium	40		750	
	No samples; see sample description by Thwaites.	850		1600	
	Correlations as follows by DuBois				
	Galeana-Platteville	90		840	
	Glenwood	40		880	
	St. Peter	180		1000	
	Trempealeau	80		1080?	
	Franconia	56		1118?	
	Ironton-Galesville	136		1250?	
	Beu Claire	350		1600	
	HETAW. CHAUCHO				

COUNTY Lake

Summary Sample Set #271 53-46N-18E
(1120-10M-1-11) ILLINOIS GEOLOGICAL SURVEY, URBANA

Non-Responsive

No.	COUNTY NO. <i>1778</i>	STRATA	THICKNESS		DEPTH	
			FEET	IN.	FEET	IN.
		<u>Drift:</u>				
		Clay, brown, with fine sand and small pebbles	10		10	
		Gravel, stones to 1/2"	10		20	
		Clay, gray, calcareous	70		90	
		Gravel, stones to 1/2"	10		100	
		<u>Hinckley:</u>				
		Dolomite, light gray, porous	10		110	
		Dolomite, white	80		190	
		Dolomite, gray, contains dark gray clay	20		210	
		Shale, gray, very calc.	20		230	
		Dolomite, light gray	25		255	
		Dolomite, pink to pinkish-gray	25		280	
		Dolomite, light gray	65		345	
		Dolomite, light and dark gray mixed	5		350	
		<u>Cincinnati:</u>				
		Shale, bluish-gray, very calcareous	170		520	
		Dolomite, gray, shaly	50		570	
		<u>Galesburg-Trenton:</u>				
		Dolomite, gray	180		720	
		Dolomite, bluish-gray	50		770	
		Dolomite, gray	30		800	
		Dolomite, blue	20		830	
		Dolomite, blue, mottled with gray	20		840	
		Sandstone, medium, white, chips of gray, sandy dolomite and shale	10		850	

Non-Responsive

SHEET 2 F.M. Gray, Jr. T. 4 S. R. 12E s. 33
 COMPANY Abbott Laboratories HOLE NO.

No.	STRATA	THICKNESS		DEPTH	
		FEET	IN.	FEET	IN.
	Dolomite, gray, floating sand grains	10		860	
	Dolomite, gray	20		880	
	<u>St. Peteri</u>				
	Sandstone, medium, gray	20		900	
	Sandstone, medium to fine, white	40		940	
	Sandstone, fine to medium, gray, calcareous	10		950	
	Shale, gray with red spots at top; below, red with gray spots and mottled chert pebbles	50		1000	
	<u>Lower Magnesian:</u>				
	Dolomite, gray	10		1010	
	Chert; quartz; calcite, brownish-gray; pyrite	10		1020	
	Dolomite, gray	20		1040	
	Chert with quartz, calcite and pyrite	10		1050	
	Dolomite, gray	10		1060	
	<u>Kendota:</u>				
	Dolomite, light pinkish-gray	20		1080	
	<u>Kazomanie:</u>				
	Sandstone, fine, dark pink, calcareous, green sand	35		1115	
	Sandstone, medium to fine, pinkish-gray, very calcareous, breaks in chips	45		1160	
	Sandstone, fine, pink, calcareous, green sand	30		1190	

County Lake

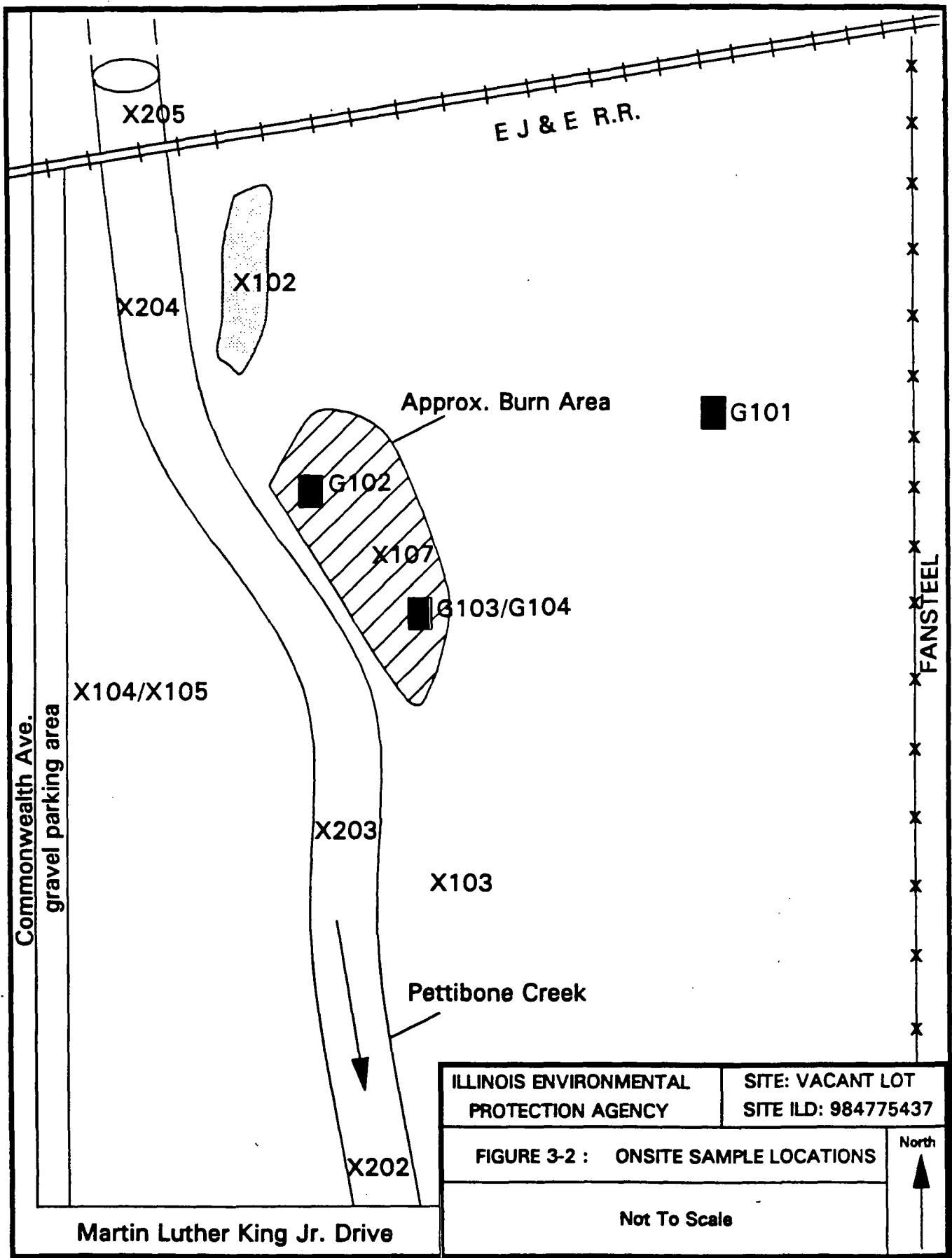
Index No. 0800

T-DRILL RECORD

33-46N-1gE

1968-04-20

APPENDIX E



APPENDIX B



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D 984 775437

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

Vacant Lot

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

Commonwealth + Martin Luther King Jr

03 CITY

North Chicago

04 STATE

IL

05 ZIP CODE

60064

06 COUNTY

Lake

07 COUNTY CODE

097

08 CONG DIST

10

09 COORDINATES

LATITUDE

42 19 15.

LONGITUDE

087 50 45.

10 TYPE OF OWNERSHIP (Check one)

A. PRIVATE

B. FEDERAL

C. STATE

D. COUNTY

E. MUNICIPAL

F. OTHER

G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION

5 14 93
MONTH DAY YEAR

02 SITE STATUS

ACTIVE
 INACTIVE

03 YEARS OF OPERATION

BEGINNING YEAR ENDING YEAR

UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

A. EPA B. EPA CONTRACTOR _____
(Name of firm)
 C. MUNICIPAL D. MUNICIPAL CONTRACTOR _____
(Name of firm)
 E. STATE F. STATE CONTRACTOR _____
(Name of firm)
 G. OTHER _____
(Specify)

05 CHIEF INSPECTOR

Judy J Triller

06 TITLE

Environ. Protection

07 ORGANIZATION

IEPA

08 TELEPHONE NO

(217) 782-6760

09 OTHER INSPECTORS

10 TITLE

Specialist I

11 ORGANIZATION

12 TELEPHONE NO.

()

Pete Sorensen

L.S.C.T.

IEPA

() Same

Brad Taylor

L.S.C.T.

IEPA

() Same

Sheila Murphy

E.P.S. I

IEPA

() Same

()

13 SITE REPRESENTATIVES INTERVIEWED

14 TITLE

15 ADDRESS

16 TELEPHONE NO

()

Keith Fetzner

Consultant

Mostardi-Platt Assoc.

()

945 Oaklawn Ave

Elmhurst IL 60126

(708) 993-9000

()

()

17 ACCESS GAINED BY

(Check one)

PERMISSION

WARRANT

18 TIME OF INSPECTION

Start 5-4-93 11 am

5-5-93 9:15 am

19 WEATHER CONDITIONS

Overcast, light rain
Fog, warm (~ 70°F) ~65°F

IV. INFORMATION AVAILABLE FROM

01 CONTACT

Judy J. Triller

02 OF (Agency/Organization)

IL EPA

03 TELEPHONE NO.

(217) 782-6760

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM

Same

05 AGENCY

—

06 ORGANIZATION

—

07 TELEPHONE NO.

—

08 DATE

9 7 94

MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

L IDENTIFICATION
01 STATE IL 02 SITE NUMBER D984775437

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ■ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 OBSERVED (DATE: _____) ■ POTENTIAL ALLEGED

Contaminants found in soil / pile onsite, and also in bed of Pettibone Creek.

01 ■ K. DAMAGE TO FAUNA

02 OBSERVED (DATE: _____) ■ POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION (Include names of species)

Pettibone Creek flows into Lake Michigan. Contaminants associated with the lot have been found in Pettibone. Fishing occurs in harbor area, + some fish spawn in Pettibone.

01 ■ L CONTAMINATION OF FOOD CHAIN

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

See K, above and report, Section 5.3

01 ■ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/Ruins/Standing liquids Leaking drums)

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

See P, below

01 ■ N. DAMAGE TO OFFSITE PROPERTY

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

See K, above

01 O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

None Known

01 ■ P. ILLEGAL/UNAUTHORIZED DUMPING

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

Surface material at site has been deposited + has been found to contain contaminants.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 231e,500 (within 4 miles)

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA Bureau of Land files: Vacant Lot, N. Chicago Refiners + Smelters

EPA Integrated Assessment activities at Vacant Lot



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D984775437

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A. NPDES				
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE (Specify)				
<input type="checkbox"/> H. LOCAL (Specify)				
<input type="checkbox"/> I. OTHER (Specify)				
<input checked="" type="checkbox"/> J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)	05 OTHER
<input type="checkbox"/> A. SURFACE IMPOUNDMENT			<input type="checkbox"/> A. INCINERATION	<input type="checkbox"/> A. BUILDINGS ON SITE
<input checked="" type="checkbox"/> B. PILES		~1.8 acres	<input type="checkbox"/> B. UNDERGROUND INJECTION	
<input type="checkbox"/> C. DRUMS, ABOVE GROUND			<input type="checkbox"/> C. CHEMICAL/PHYSICAL	
<input type="checkbox"/> D. TANK, ABOVE GROUND			<input type="checkbox"/> D. BIOLOGICAL	
<input type="checkbox"/> E. TANK, BELOW GROUND			<input type="checkbox"/> E. WASTE OIL PROCESSING	
<input type="checkbox"/> F. LANDFILL			<input type="checkbox"/> F. SOLVENT RECOVERY	
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H. OPEN DUMP			<input type="checkbox"/> H. OTHER (Specify) <u>NONE</u>	
<input type="checkbox"/> I. OTHER (Specify)				

07 COMMENTS

The vacant lot is classified as a hazardous waste site by the city of N. Chicago.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)	02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.
<input type="checkbox"/> A. ADEQUATE, SECURE <input type="checkbox"/> B. MODERATE <input checked="" type="checkbox"/> C. INADEQUATE, POOR <input type="checkbox"/> D. INSECURE, UNSOUND, DANGEROUS	Surficial material found to contain contaminants. Site drains into Pettibone Creek. Site not restricted in any way.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	02 COMMENTS
	Access not restricted in any way. People noted walking through site, visiting creek. Lot inhabited by homeless people at times.

VI. SOURCES OF INFORMATION (Give specific references, e.g. state files, sample analysis, reports)

IEPA Bureau of Land files (Vacant Lot)
IEPA Site visits



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION	
01 STATE IL	02 SITE NUMBER D984775437

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

A. $10^{-6} - 10^{-8}$ cm/sec B. $10^{-4} - 10^{-6}$ cm/sec C. $10^{-4} - 10^{-3}$ cm/sec D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

A. IMPERMEABLE
(Less than 10^{-6} cm/sec) B. RELATIVELY IMPERMEABLE
($10^{-4} - 10^{-6}$ cm/sec) C. RELATIVELY PERMEABLE
($10^{-2} - 10^{-4}$ cm/sec) D. VERY PERMEABLE
(Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK

~ 180 (ft)

04 DEPTH OF CONTAMINATED SOIL ZONE

unKnown (ft)

05 SOIL pH

unKnown

06 NET PRECIPITATION

3.5 (in)

07 ONE YEAR 24 HOUR RAINFALL

2.4 (in)

08 SLOPE

N/A %

SITE SLOPE DIRECTION OF SITE SLOPE

west

TERRAIN AVERAGE SLOPE

N/A %

09 FLOOD POTENTIAL

"Area of minimal flood hazard"

SITE IS IN YEAR FLOODPLAIN

10

SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE

OTHER

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

A. None (mi)

B. 0.75 (mi)

1.25 (mi)

ENDANGERED SPECIES: Ground Juniper (State)

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL

RESIDENTIAL AREAS; NATIONAL/STATE PARKS,
FORESTS, OR WILDLIFE RESERVES

AGRICULTURAL LANDS
PRIME AG LAND AG LAND

A. 200 ft (ft)

B. 0.05 (mi)

Unknown

C. _____ (mi) D. _____ (mi)

14 DESCRIPTION OF SITE IN PELATION TO SURROUNDING TOPOGRAPHY

Site is located in the city of North Chicago, approximately 0.75 west of Lake Michigan shore line. The area is generally flat, sloping slightly toward Lake Michigan. Pettibone Creek, which originates just north of the site, flows south and east approximately 1.25 miles into Lake Michigan.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA Bureau of Land files: Vacant Lot, Fansteel, N. Chicago Refiners + Smelters

7.5 Minute Waukegan, IL quadrangle (USGS)



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D984 775 437

II. CURRENT OWNER(S)

01 NAME <i>* Northern Trust Bank</i>	02 D+B NUMBER	08 NAME	09 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.) <i>One Bank Lane</i>	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE		
05 CITY <i>Lake Forest</i>	06 STATE <i>IL</i>	07 ZIP CODE <i>60045</i>	12 CITY	13 STATE	14 ZIP CODE
01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analyses, reports)

** Trustee for John Stack of N. Chicago*



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - GENERATOR/TRANSPORTER INFORMATION

IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D984775437

II. ON-SITE GENERATOR

01 NAME <i>NONE</i>	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME <i>Not Known At This Time</i>	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY
06 STATE	07 ZIP CODE	06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY
06 STATE	07 ZIP CODE	06 STATE	07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME <i>UNKNOWN</i>	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY
06 STATE	07 ZIP CODE	06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY
06 STATE	07 ZIP CODE	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA Bureau of Land files : Vacant Lot
Fansteel
N. Chicago Refiners + Smelters



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

L IDENTIFICATION	
01 STATE	02 SITE NUMBER

IL D984775437

II PAST RESPONSE ACTIVITIES (Continued)

NONE KNOWN

01 <input type="checkbox"/> R. BARRIER WALLS CONSTRUCTED	02 DATE _____	03 AGENCY _____
04 DESCRIPTION		
01 <input type="checkbox"/> S. CAPPING/COVERING	02 DATE _____	03 AGENCY _____
04 DESCRIPTION		
01 <input checked="" type="checkbox"/> T. BULK TANKAGE REPAIRED	02 DATE _____	03 AGENCY _____
04 DESCRIPTION		
01 <input type="checkbox"/> U. GROUT CURTAIN CONSTRUCTED	02 DATE _____	03 AGENCY _____
04 DESCRIPTION		
01 <input type="checkbox"/> V. BOTTOM SEALED	02 DATE _____	03 AGENCY _____
04 DESCRIPTION		
01 <input type="checkbox"/> W. GAS CONTROL	02 DATE _____	03 AGENCY _____
04 DESCRIPTION		
01 <input type="checkbox"/> X. FIRE CONTROL	02 DATE _____	03 AGENCY _____
04 DESCRIPTION		
01 <input type="checkbox"/> Y. LEACHATE TREATMENT	02 DATE _____	03 AGENCY _____
04 DESCRIPTION		
01 <input type="checkbox"/> Z. AREA EVACUATED	02 DATE _____	03 AGENCY _____
04 DESCRIPTION		
01 <input type="checkbox"/> 1. ACCESS TO SITE RESTRICTED	02 DATE _____	03 AGENCY _____
04 DESCRIPTION		
01 <input checked="" type="checkbox"/> 2. POPULATION RELOCATED	02 DATE _____	03 AGENCY _____
04 DESCRIPTION		
01 <input type="checkbox"/> 3. OTHER REMEDIAL ACTIVITIES	02 DATE _____	03 AGENCY _____
04 DESCRIPTION		

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analyses, reports)

IEPA Bureau of Land files : Vacant Lot

APPENDIX C

TARGET COMPOUND LIST

Volatile Target Compounds

Chloromethane	1,2-Dichloropropane
Bromomethane	cis-1,3-Dichloropropene
Vinyl Chloride	Trichloroethene
Chloroethane	Dibromochloromethane
Methylene Chloride	1,1,2-Trichloroethane
Acetone	Benzene
Carbon Disulfide	trans-1,3-Dichloropropene
1,1-Dichloroethene	Bromoform
1,1-Dichloroethane	4-Methyl-2-pentanone
1,2-Dichloroethene (total)	2-Hexanone
Chloroform	Tetrachloroethene
1,2-Dichloroethane	1,1,2,2-Tetrachloroethane
2-Butanone	Toluene
1,1,1-Trichloroethane	Chlorobenzene
Carbon Tetrachloride	Ethylbenzene
Vinyl Acetate	Styrene
Bromodichloromethane	Xylenes (total)

Base/Neutral Target Compounds

Hexachloroethane	2,4-Dinitrotoluene
bis(2-Chloroethyl)Ether	Diethylphthalate
Benzyl Alcohol	N-Nitrosodiphenylamine
bis(2-Chloroisopropyl)Ether	Hexachlorobenzene
N-Nitroso-Di-n-Propylamine	Phenanthrene
Nitrobenzene	4-Bromophenyl-phenylether
Hexachlorobutadiene	Anthracene
2-Methylnaphthalene	Di-n-Butylphthalate
1,2,4-Trichlorobenzene	Fluoranthene
Isophorone	Pyrene
Naphthalene	Butylbenzylphthalate
4-Chloroaniline	bis(2-Ethylhexyl)Phthalate
bis(2-chloroethoxy)Methane	Chrysene
Hexachlorocyclopentadiene	Benzo(a)Anthracene
2-Chloronaphthalene	3,3'-Dichlorobenzidene
2-Nitroaniline	Di-n-Octyl Phthalate
Acenaphthylene	Benzo(b)Fluoranthene
3-Nitroaniline	Benzo(k)Fluoranthene
Acenaphthene	Benzo(a)Pyrene
Dibenzofuran	Indeno(1,2,3-cd)Pyrene
Dimethyl Phthalate	Dibenz(a,h)Anthracene
2,6-Dinitrotoluene	Benzo(g,h,i)Perylene
Fluorene	1,2-Dichlorobenzene
4-Nitroaniline	1,3-Dichlorobenzene
4-Chlorophenyl-phenylether	1,4-Dichlorobenzene

Acid Target Compounds

Benzoic Acid	2,4,6-Trichlorophenol
Phenol	2,4,5-Trichlorophenol
2-Chlorophenol	4-Chloro-3-methylphenol
2-Nitrophenol	2,4-Dinitrophenol
2-Methylphenol	2-Methyl-4,6-dinitrophenol
2,4-Dimethylphenol	Pentachlorophenol
4-Methylphenol	4-Nitrophenol
2,4-Dichlorophenol	

Pesticide/PCB Target Compounds

alpha-BHC	Endrin Ketone
beta-BHC	Endosulfan Sulfate
delta-BHC	Methoxychlor
gamma-BHC (Lindane)	alpha-Chlorodane
Heptachlor	gamma-Chlorodane
Aldrin	Toxaphene
Heptachlor epoxide	Aroclor-1016
Endosulfan I	Aroclor-1221
4,4'-DDE	Aroclor-1232
Dieldrin	Aroclor-1242
Endrin	Aroclor-1248
4,4'-DDD	Aroclor-1254
Endosulfan II	Aroclor-1260
4,4'-DDT	

Inorganic Target Compounds

Aluminum	Manganese
Antimony	Mercury
Arsenic	Nickel
Barium	Potassium
Beryllium	Selenium
Cadmium	Silver
Calcium	Sodium
Chromium	Thallium
Cobalt	Vanadium
Copper	Zinc
Iron	Cyanide
Lead	Sulfide
Magnesium	Sulfate

APPENDIX D

BORING/WELL LOG DATA
MAECORP INCORPORATED

PROJECT: Northern Trust Bank	WELL/BORING NO.: Boring 2
LOCATION: 22nd Street Stack Property	DATE DRILLED: January 5, 1989
DRILLING METHOD: Auger	CASING TYPE/AIA: PVC - 2"
TOTAL DEPTH DRILLED: 10.5 '	TOTAL CASING: 7'11"
GROUND ELEVATION: N/A	T.O.C. ELEVATION: N/A
GROUT TYPE/QUANTITY: Enviroplug & cement	SCREEN TYPE/LENGTH: PVC - 5 feet
GROUT INTERVAL(S): 2'7" - 5'5"	SCREENED INTERVAL: 7'11" - 12'11"
DEPTH TO WATER: @ 10.7'	GRAVEL PACK TYPE: sand
WATER LEVEL ELEVATION: N/A	GRAVEL PACK INTERVAL: 6'7" - 12'11"
	STATIC WATER LEVEL: 2'7" DATE: 1/5/89

REMARKS:

LOGGED BY: Diane C. Kanode SIGNATURE: Diane C. Kanode

DEPTH	H2O/SOL SAMPLE	FORMATION DESCRIPTION
0-18"	B2-01	17, 10, 26 - 9" black gravelly sand
3-36"	B2-02	11, 16, 12 - 14" black medium sand with some gravel
37-54"	B2-03	3, 3, 5 - 15" black (fill) sand, 5" gray-brown mottled gravelly silt
3-72"	B2-04	2, 1, 3 - 4" black (fill) sand, 5" gray-brown mottled gravelly silt
3-90"	B2-05	2, 3, 5 - 4" gray coarse sandy silt, 12" medium sand
~1-108"	B2-06	5, 6, 11 - 3" gray-brown mottled sandy silt, 4" gray coarse silt, 3" black gravelly sand
109-126"	B2-07	1, 8, 16 - 6" black gravelly sand, 5" gray silty clay

BORING/WELL LOG DATA
MAECORP INCORPORATED

PROJECT: Northern Trust Bank	WELL/BORING NO.: Boring 3
LOCATION: 22nd Street Stack Property	DATE DRILLED: January 5, 1989
DRILLING METHOD: Auger	CASING TYPE/dia: PVC - 2"
TOTAL DEPTH DRILLED: 10.5'	TOTAL CASING: 7'11"
GROUND ELEVATION: N/A	T.O.C. ELEVATION: N/A
GROUT TYPE/QUANTITY: Enviroplug	SCREEN TYPE/LENGTH: PVC - 5 feet
GROUT INTERVAL(S): 2'7" - 6'10"	SCREENED INTERVAL: 7'11" - 12'11"
DEPTH TO WATER: @ 10.7'	GRAVEL PACK TYPE: sand
WATER LEVEL ELEVATION: N/A	GRAVEL PACK INTERVAL: 6'10" - 12'11"
	STATIC WATER LEVEL: 3'2" DATE: 1/5/89

REMARKS:

LOGGED BY: Diane C. Kanode

SIGNATURE: Diane C. Kanode

DEPTH	H2O/SOL SAMPLE	FORMATION DESCRIPTION
0-18"	B3-01	45, 45, 15 - 12" black gravelly (fill) sand - no odor
1 -36"	B3-02	5, 7, 13 - 11" gray-brown mottled sandy silt, 4" black coarse (fill) sand
3"-54"	B3-03	3, 5, 4 - 16" black (fill) sand
5.-72"	B3-04	1, 2, 3 - 2" black (fill) sand, 9" gray-brown mottled coarse clayey silt
7 -90"	B3-05	2, 2, 2 - 6" gray gravelly clayey silt
91-108"	B3-06	3, 5, 7 - 14" gray sandy silt
1 3-126"	B3-07	5, 11, 19 - 8" gray silty clay, 2" coarse sand, 3" gray silty clay

**BORING/WELL LOG DATA
MAECORP INCORPORATED**

PROJECT: Northern Trust Bank	WELL/BORING NO.: Boring 4
LOCATION: 22nd Street Stack Property	DATE DRILLED: January 6, 1989
DRILLING METHOD: Auger	CASING TYPE/ODA: PVC - 2"
TOTAL BORING DRILLED: 10.5'	TOTAL CASING: 7'11"
GROUND ELEVATION: N/A	T.O.G. ELEVATION: N/A
GROUT TYPE/QUANTITY: Enviroplug	SCREEN TYPE/LENGTH: 7'11" - 12'11"
GROUT INTERVAL(S): 2'7" - 7'0"	SCREENED INTERVAL: 7'11" - 12'11"
DEPTH TO WATER: @ 10.7'	GRAVEL PACK TYPE: Sand
WATER LEVEL ELEVATION: N/A	GRAVEL PACK INTERVAL: 7'0" - 12'11"
	STATIC WATER LEVEL: 1'7" DATE: 1/6/89

REMARKS: * Burnt rubber odor

LOGGED BY:		SIGNATURE:
Diane C. Kanode		Diane C. Kanode
DEPTH	H2O/SOL SAMPLE	FORMATION DESCRIPTION
0-18"	B4-01	3, 6, 8 - 10" black brown sandy silt vegetation layer, * 4" burnt black sandy silt vegetation layer - piece of rubber in core
19-36"	B4-02	6, 7, 7 - 4" burnt black coarse silt with vegetation, 10" gray gravelly clayey silt with crushed brick pieces
7-54"	B4-03	3, 5, 6 - 10" gray-brown gravelly mottled clayey silt
55-72"	B4-04	3, 5, 9 - 16" gray-brown gravelly mottled clayey silt
3-90"	B4-05	8, 10, 11 - 18" brown gravelly silty sand
91-108"	B4-06	6, 12, 9 - 2" brown gravelly sand, 2" silt, 6" brown fine gravelly sand
99-126"	B4-07	6, 9, 11 - 6" gray gravelly sandy silt, 10" gray sandy silt

Non-Responsive

No.	COUNTY No. 769 RATA	Thickness		Depth	
		Feet	In.	Feet	In.
	Drift clay all way Rock	205	11	205	
	B.R. 520			318	

County LAKE #21 Index No. 0805
T.—DRILL RECORD check etc.
(80819-6M-7-81) 2 Illinois Geological Survey, Urbana.

C 124

Non-Responsive

No.	COUNTY NO. 769 RATA	Thickness		Depth	
		Feet	In.	Feet	In.
	Drift Rock	204 20		204 224	

County

LAKE

236

Index No. 0908

T.—DRILL RECORD

(30819—GM—781)  Illinois Geological Survey, Urbana.

C-125

Non-Responsive

No.	COUNTY NO. <i>768</i> DATA	Thickness		Depth	
		Feet	In.	Feet	In.
	Drift Rock	137 64	6 6	137 206	6

County **LAKE**
T.—DRILL RECORD

(80810—5M—1-81) *10a* Illinois Geological Survey, Urbana.

Index No. **0905**

C-123

LOG OF WATER WELL

Non-Responsive

Well No. _____

Drilled by O.L. WERTZ

Year 1942

Formations passed through	Thick. inches	Depth of Bottom
Brown Clay and top soil	15	15
Blue grey clay - quite firm	140	185
Hard grey gravel	3	188
Mushy grey clay and fine sand	22	180
Grey gravel and sand	3	185
.	.	.
.	.	.
.	.	.
COUNTY NO. <u>768</u> NO ENVELOPE		

(Continue on back if necessary)

Plastered in Gravel at 183 ft. in.

Cased with 4" inch to well bottom from 0 to ft.

and inch from to ft.

Bore hole below casing inch. Static level from surf. 70 ft.

Tested capacity 10 g.p.m. gal. per min. Temperature 77°.

Water lowered to 110 ft. in. in 1 hrs. min.

Length of test 3 hrs. min. Screen Diam.

Net Diam. Length Bottom set at ft.

(Show location in Section Plan)

Non-Responsive

Signed O.L. WertzCounty Ia

Copy for Illinois State Geological

Non-Responsive

Non-Responsive

No.	County No. 266 State 2304 W. 22nd Street	Thickness		Depth	
		Feet	In.	Feet	In.
	Clay Gravel Rock at Pipashed in rock at	20	6	178	6
	Water level 69' Capacity 5 g.p.m. Water lowered to 103' in 6 hrs. Test run 6 hrs.				
	4½" casing to 181' No screen used				

Non-Responsive

CONSUMER INFORMATION, 535 WEST
761. DO NOT DETACH GEOLICAL/WATER
IE PROPER WELL LOCATION.

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Eric Petersen Plumbing, Inc. Municipal Garage

10. Property owner North Chicago Well No. _____

Address Laura & Argonne, North Chicago, Ill.

Driller Hoover Water Well License No. 102-703

11. Permit No. 98171 Date January 19, 1981

12. Water from Limestone 13. County Lake

Formation _____

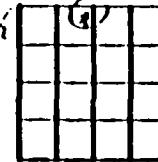
at depth 166 to 242 ft.

Sec. 5, S1

Twp. 44N

Rgo. 12E

Elev. _____



15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (ft.)	To (ft.)
5	New Black Steel	0	166
T&C	15 PPF-ASTM-A-5		
	Youngstown		

SHOW
LOCATION IN
SECTION PLAT
30x30' 1/200' SEE NO

16. Size Hole below casing: 5 in. (North Chicago Municipal Garage)

17. Static level 80 ft. below casing top which is 1 ft.
above ground level. Pumping level 80 ft. when pumping at 35
gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	17	17
Gravel	3	20
Clay	28	40
Hardpan	66	114
Clay	23	137
Hardpan	29	166
Limestone	76	242

242

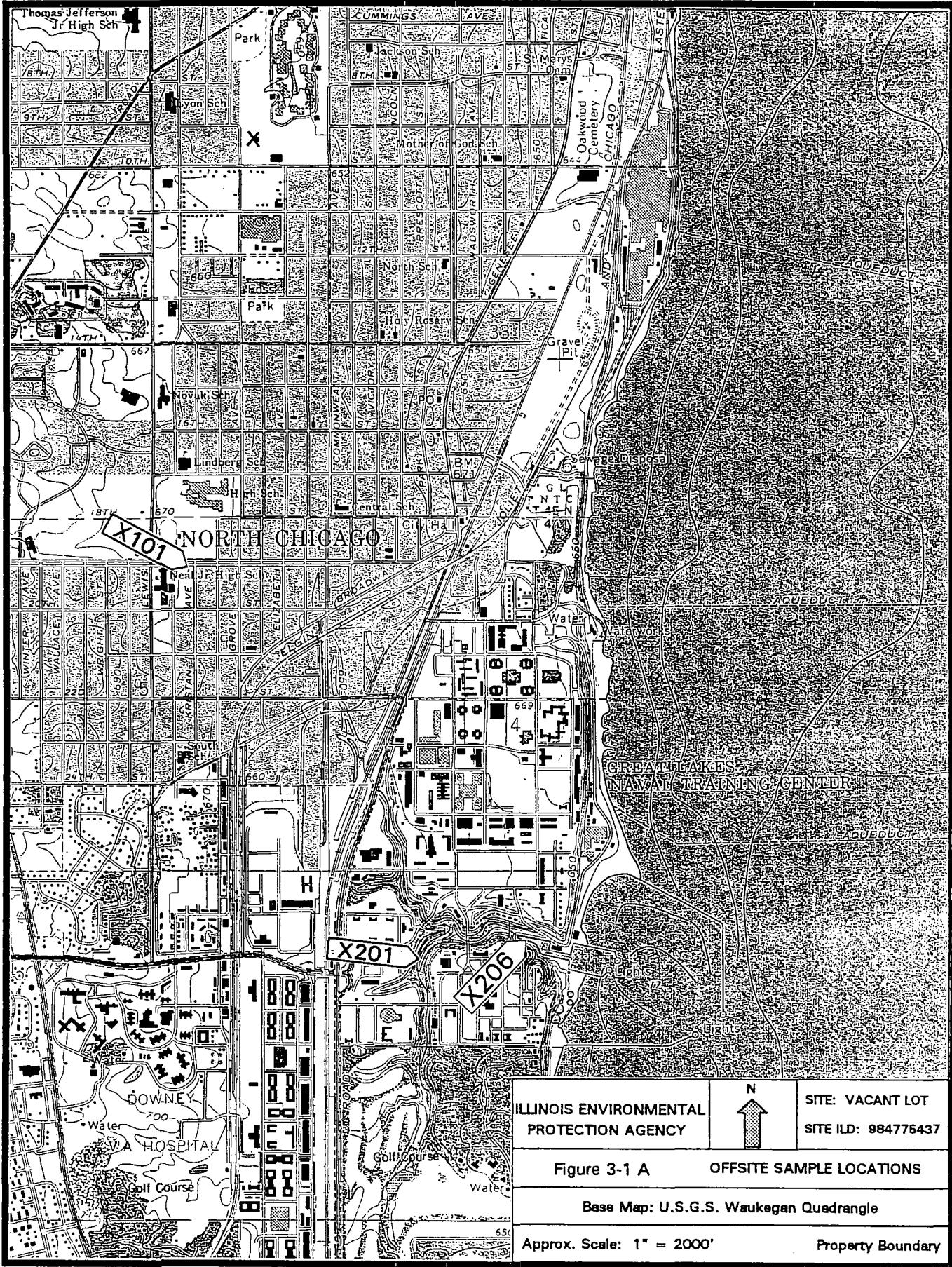
(CONTINUE ON SEPARATE SHEET IF NECESSARY) 5-44N-12E

SIGNED Kennie R Hoover DATE 8/11/02
J.M.H.

Non-Responsive

No.	COUNTY NO. STRATA	Thickness		Depth	
		Foot	In.	Foot	In.
	Drift	138		138	
	Limestone	337		475	
	Shale, 40' of limestone below 13'	120		595	
	Limestone, crevice (?) at base	333		928	
	country line				
	Drift	137	6	137	6
	Niagaran lime	227	6	365	
	Shale	270		535	
	Limestone	293		828	
	Sandstone	57		885	
	Limestone	12		897	
	St. Peter sandstone	28		925	
	Many wheelbarrows of cast iron, could not fill up to drill through crevices				
	125 g.p.m.				
	no sulfur, no water				
	country line				
	Another well to depth good well	224		224	

Non-Responsive

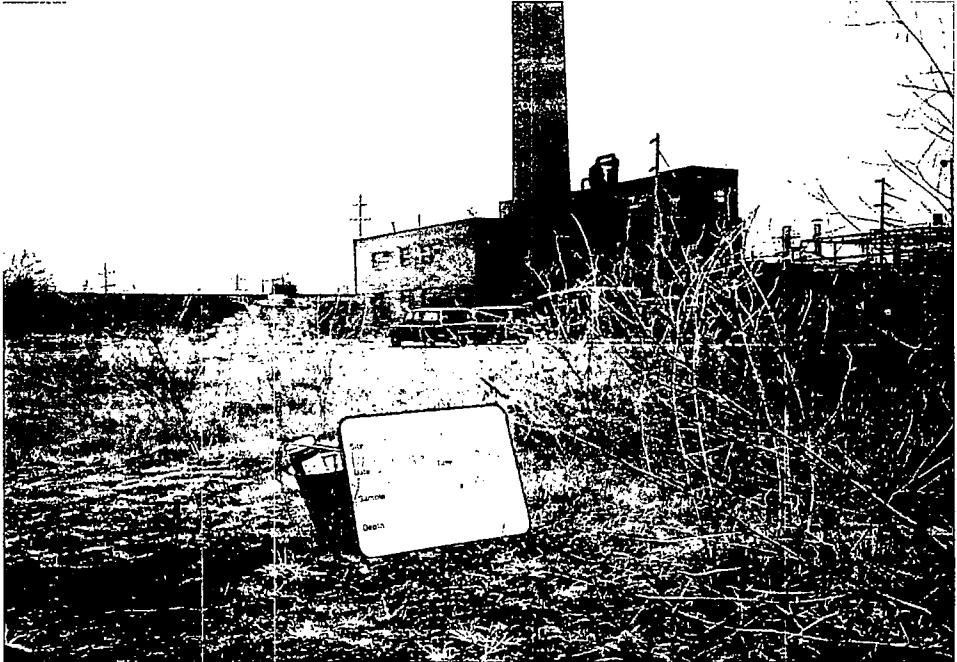


Expanded Site Inspection Photos

DATE: 5-4-93	SITE ILD#: 984775437 COUNTY: Lake
TIME: 12:05 pm	SITE NAME: Vacant Lot
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Photo toward the west. Sample X102 collected from cinder-like pile on site.	

DATE: 5-4-93	
TIME: 12:05 pm	
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Photo toward the northeast. Sample X102. Fansteel building in back- ground.	

Expanded Site Inspection Photos

DATE: 5-4-93	SITE ILD#: 984775437 COUNTY: Lake
TIME: 12:20 pm	SITE NAME: Vacant Lot
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Photo toward the northeast. Sample X107 collected from moss-covered burn area. Fansteel building in background.	

DATE: 5-4-93
TIME: 12:20 pm
PHOTOGRAPH TAKEN BY:
COMMENTS: Photo toward the southeast. Sample X107.

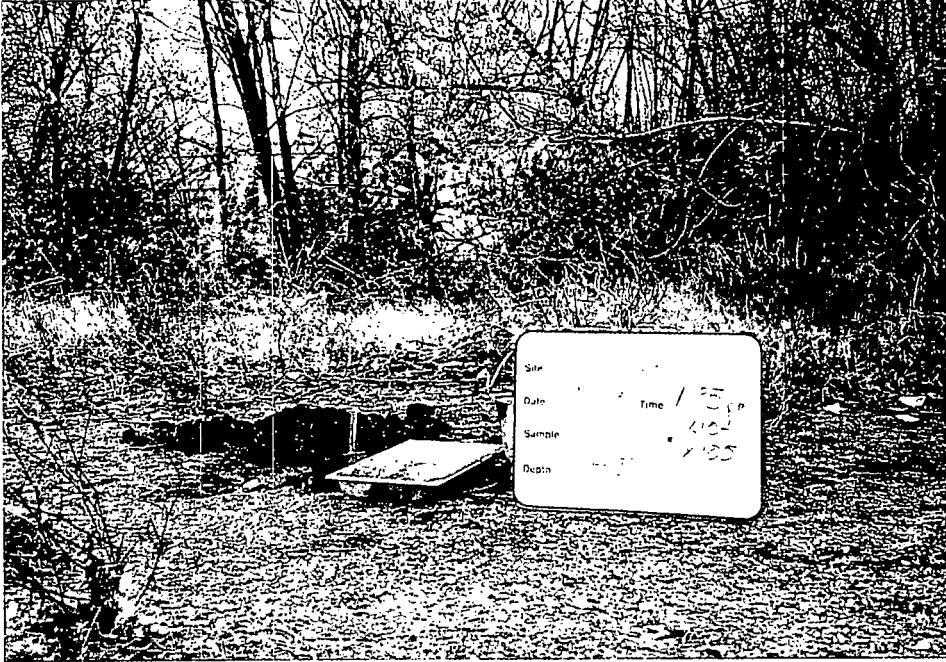


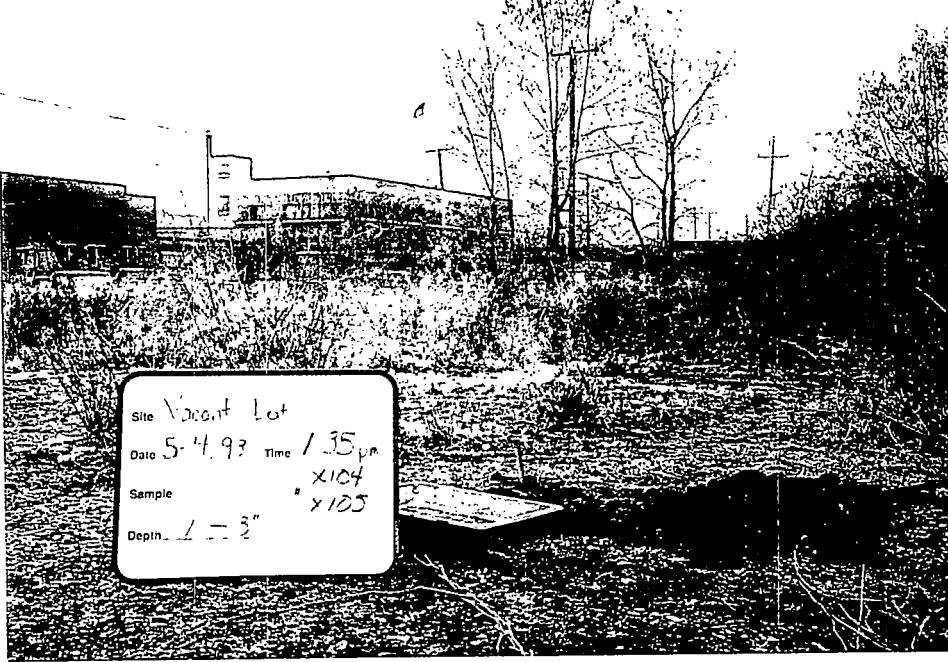
Expanded Site Inspection Photos

DATE: 5-4-93	SITE ILD#: 984775437 COUNTY: Lake
TIME: 12:50 pm	SITE NAME: Vacant Lot
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Photo toward the east. Sample X103 collected from east side of creek in trees. Fansteel building in background.	

DATE: 5-4-93	
TIME: 12:50 pm	
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Photo toward the south-southeast. Sample X103 on- site. Martin Luther King Jr. Drive in back- ground.	

Expanded Site Inspection Photos

DATE: 5-4-93	SITE ILD#: 984775437 COUNTY: Lake
TIME: 1:35 pm	SITE NAME: Vacant Lot
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Photo toward the east. Duplicate samples X104 and X105 collected on west side of creek. Fansteel bldg. in backgrnd.	 A black and white photograph showing a grassy area with several bare trees. In the background, there is a building with a gabled roof, identified as the Fansteel building. The foreground is mostly open ground with some low-lying vegetation.

DATE: 5-4-93	
TIME: 1:35 pm	
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Photo toward the northwest. Samples X104 and X105. EMCO Chemical Distributors in background.	 A black and white photograph showing a grassy area with several bare trees. In the background, there is a large industrial building with multiple windows and a flat roof, identified as the EMCO Chemical Distributors building. The foreground is mostly open ground with some low-lying vegetation.

Expanded Site Inspection Photos

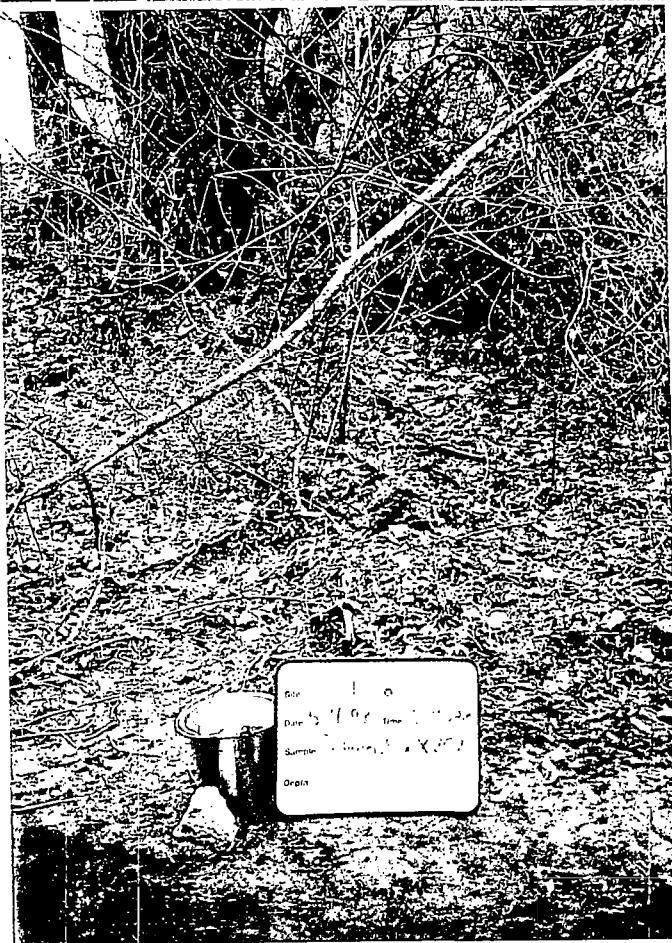
DATE: 5-4-93	SITE ILD#: 984775437 COUNTY: Lake
TIME: Not Avail.	SITE NAME: Vacant Lot
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Photograph of pipe with bedding on west side of creek.	

DATE:
TIME:
PHOTOGRAPH TAKEN BY:
COMMENTS:

Expanded Site Inspection Photos

DATE: 5-4-93	SITE ILD#: 984775437 COUNTY: Lake
TIME: 2:45 pm	SITE NAME: Vacant Lot
PHOTOGRAPH TAKEN BY: S. Murphy	
COMMENTS: Photo toward the south. Sample X202 collected from Pettibone Creek just north of MLK Jr. Drive.	

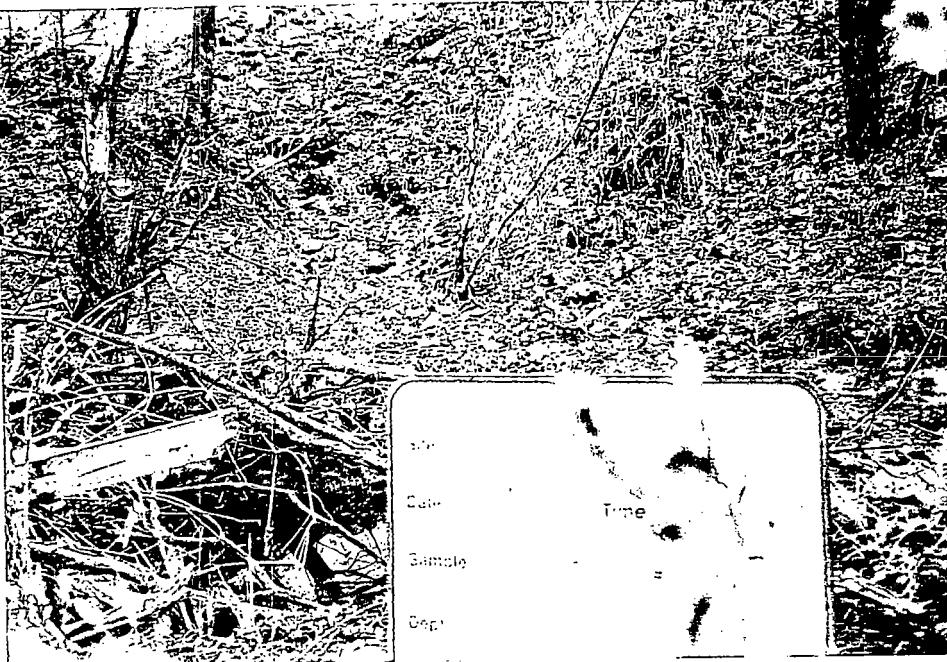
DATE: 5-4-93
TIME: 2:45 pm
PHOTOGRAPH TAKEN BY: S. Murphy
COMMENTS: Photo toward the west. Sample X202 from Pettibone Creek.



Expanded Site Inspection Photos

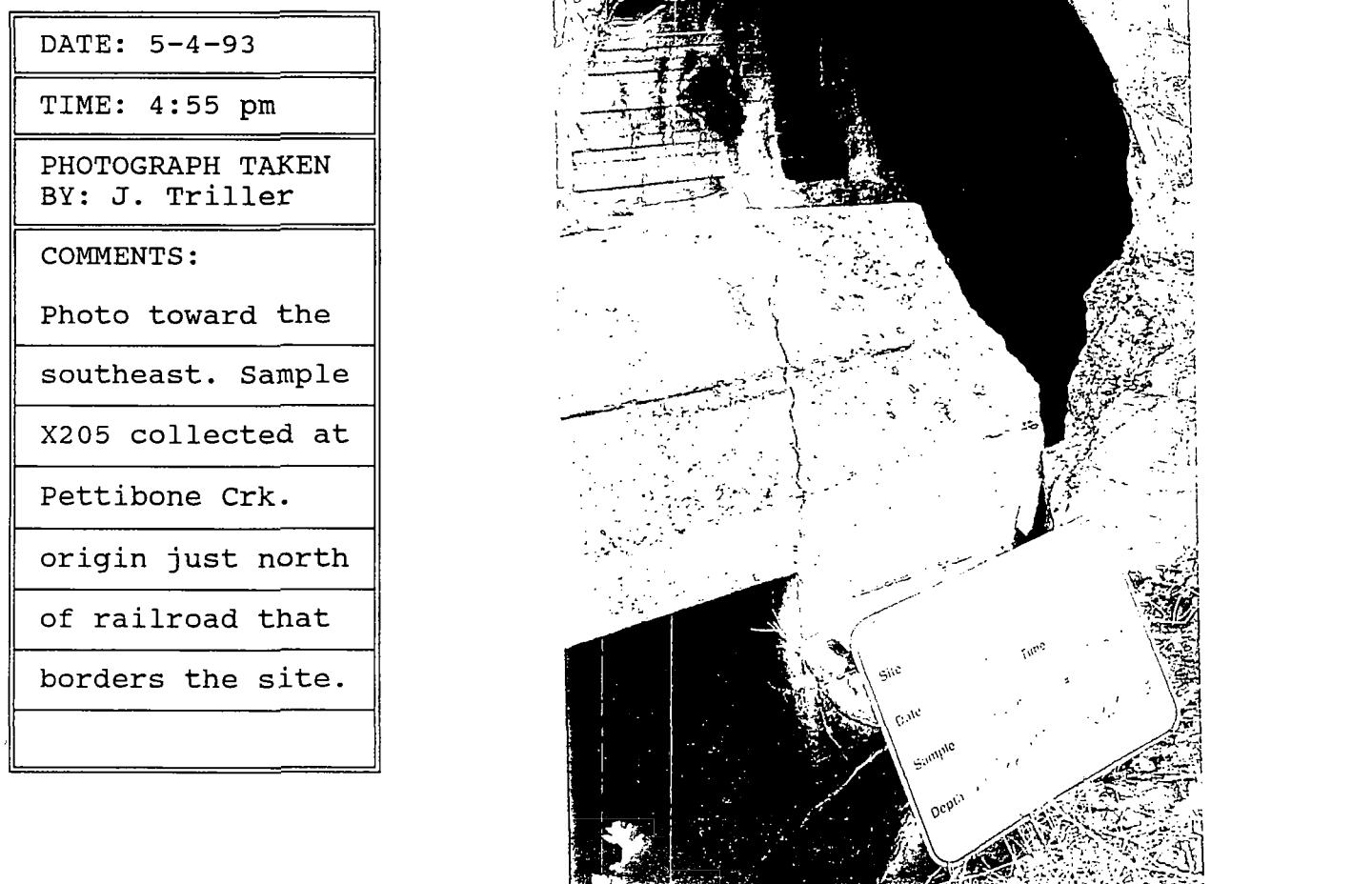
DATE: 5-4-93	SITE ILD#: 984775437	COUNTY: Lake
TIME: 4:20 pm	SITE NAME: Vacant Lot	

PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Photo toward the northeast. Sample X204 collected from Pettibone upstream of culvert.	

DATE: 5-4-93	
TIME: 4:20 pm	
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Photo toward the east. Sample X204 upstream of culvert.	

Expanded Site Inspection Photos

DATE: 5-4-93	SITE ILD#: 984775437	COUNTY: Lake
TIME: 4:55 pm	SITE NAME: Vacant Lot	



Expanded Site Inspection Photos

DATE: 5-4-93	SITE ILD#: 984775437 COUNTY: Lake
TIME: 6:05 pm	SITE NAME: Vacant Lot
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Sample X101. Back- ground soil sample collected from Neal Elementary School ball field.	

DATE: 5-4-93	
TIME: 6:05 pm	
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Sample X101. Back- ground soil sample collected from Neal Elementary School ball field.	

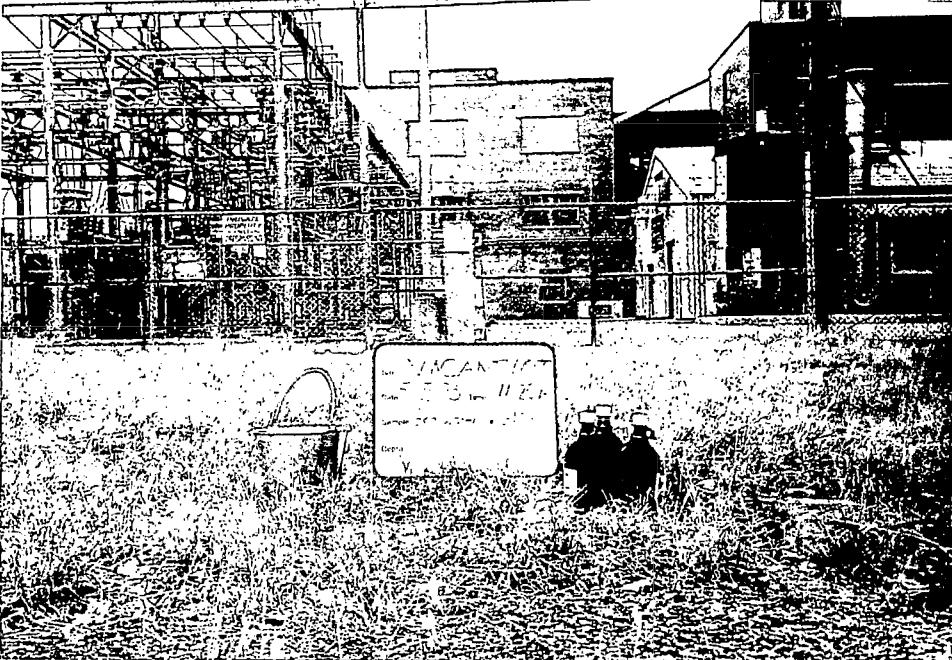
Expanded Site Inspection Photos

DATE: 5-5-93	SITE ILD#: 984775437	COUNTY: Lake
TIME: 9:35 am	SITE NAME: Vacant Lot	

PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Photo toward the west. Sample X201, background sedi- ment sample collected from creek at naval training center.	

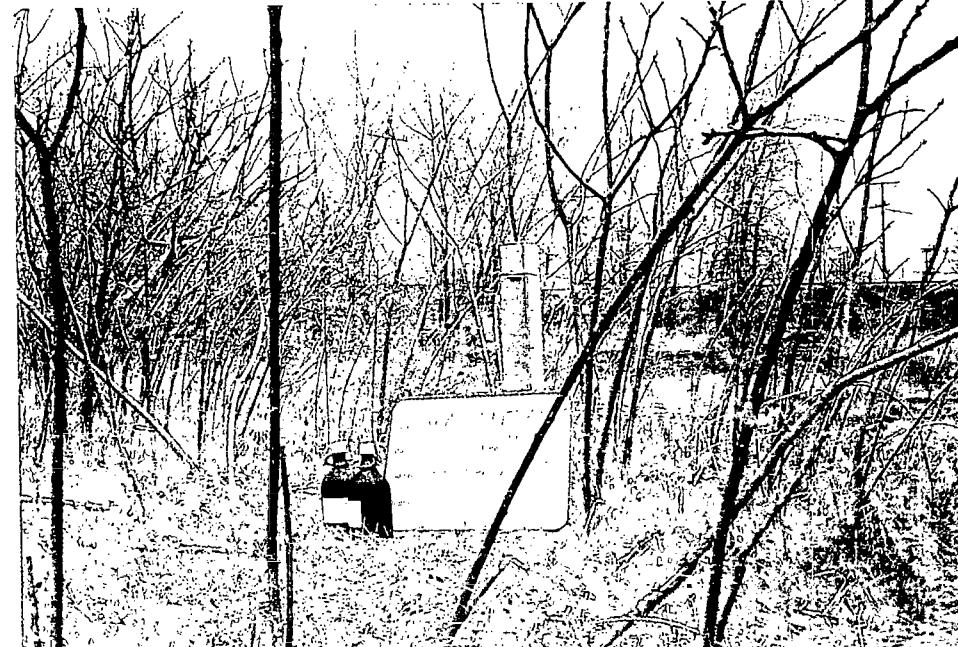
DATE:	
TIME:	
PHOTOGRAPH TAKEN BY:	
COMMENTS:	

Expanded Site Inspection Photos

DATE: 5-5-93	SITE ILD#: 984775437 COUNTY: Lake
TIME: 11:20 am	SITE NAME: Vacant Lot
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS:	
<p>Photo toward the east. Sample G101, onsite monitoring well (the north-eastern monitoring well). Fansteel in background.</p>	
DATE: 5-5-93	
TIME: 11:20 am	
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS:	
<p>Photo toward the northwest. Sample G101. Elgin, Joliet & Eastern Railroad seen in background.</p>	

Expanded Site Inspection Photos

DATE: 5-5-93	SITE ILD#: 984775437 COUNTY: Lake
TIME: 11:45 am	SITE NAME: Vacant Lot
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Photo toward the northeast. Sample G102 from north-west onsite monitoring well. Fansteel and railroad in background	

DATE: 5-5-93	
TIME: 11:45 am	
PHOTOGRAPH TAKEN BY: J. Triller	
COMMENTS: Photo toward the north. Sample G102 Railroad bed seen in background.	

Expanded Site Inspection Photos

DATE: 5-5-93	SITE ILD#: 984775437	COUNTY: Lake
TIME:12:30 1:20 pm	SITE NAME: Vacant Lot	

PHOTOGRAPH TAKEN
BY: J. Triller

COMMENTS:

Photo toward the
southeast. Dupli-
cate samples G103
and G104 from
southern onsite
monitor well.



DATE: 5-5-93
TIME:12:30 1:20 pm

PHOTOGRAPH TAKEN
BY: J. Triller

COMMENTS:

Photo toward the
northeast. Dupli-
cate samples G103
and G104 from
southern onsite
monitoring well.



5 Pages removed
Non-Responsive

APPENDIX F

TABLE 3-3

SOIL SAMPLE SUMMARY
(Resid. samples not analyzed for volatile organics)

SAMPLING POINT	Non-Responsive					
PARAMETER	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILES						
Naphthalene	440.00 U	1600.00 J	--	--	--	--
Acenaphthene	440.00 U	1600.00 J	--	--	--	--
Dibenzofuran	440.00 U	1300.00 J	--	--	--	--
Phenanthrene	280.00 J	13000.00	530.00 J	1200.00	1400.00	94.00 J
Anthracene	440.00 U	2800.00 J	--	--	--	--
Carbazole	440.00 U	3300.00	--	210.00 J	280.00 J	--
Fluoranthene	490.00	16000.00	1000.00 J	1800.00	2000.00	200.00 J
Pyrene	420.00 J	13000.00	980.00 J	1500.00	1700.00	170.00 J
Benzo(a)anthracene	180.00 J	7700.00	540.00 J	840.00	1100.00	110.00 J
Chrysene	440.00 U	6600.00	--	1100.00	--	--
bis(2-Ethylhexyl)phthalate	150.00 J	--	940.00 J	--	--	99.00 J
Benzo(b)fluoranthene	340.00 J	8500.00	580.00 J	1100.00	1200.00	270.00 J
Benzo(k)fluoranthene	440.00 U	7100.00	470.00 J	--	740.00 J	--
Benzo(a)pyrene	440.00 U	7900.00	550.00 J	740.00	1000.00	--
Indeno(1,2,3-cd)pyrene	440.00 U	4000.00	--	420.00 J	570.00 J	--
Benzo(g,h,i)perylene	440.00 U	3900.00	--	--	520.00 J	--
PESTICIDES	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
gamma-BHC (Lindane)	2.30 UJ	--	--	--	--	0.20 J
Heptachlor	2.30 U	--	--	1.80 J	--	0.83 J
Aldrin	1.00 JP	17.00 P	6.70 P	4.80 P	--	3.20 P
Heptachlor epoxide	0.62 J	--	7.50	3.50 J	3.30	--
Dieldrin	4.40 U	98.00	16.00	8.10 P	4.70 P	43.00
4,4'-DDE	4.60 PJ	220.00 P	70.00 P	94.00 P	71.00 PJ	4.80 J
Endrin	6.80	--	25.00 P	--	28.00	--
4,4'-DDD	4.40 UJ	--	--	56.00	31.00 J	2.30 J
Endosulfan sulfate	4.40 UJ	94.00 P	11.00	55.00	28.00	1.20 J
4,4'-DDT	6.40 PJ	580.00 P	92.00 P	77.00 P	97.00 PJ	15.00 J
Methoxychlor (Mariate)	23.00 UJ	--	110.00 PJ	--	--	--
alpha-Chlorodane	2.30 U	23.00 P	16.00 P	7.90	26.00	7.00
gamma-Chlorodane	1.20 J	25.00	10.00 P	5.80	13.00	3.30
Aroclor-1232	44.00 U	--	110.00 P	--	--	--
Aroclor-1248	44.00 U	280.00 P	--	--	--	--
Aroclor-1254	43.00 JP	1700.00	460.00 P	370.00 P	--	--
Aroclor-1260	180.00	1900.00 P	780.00 P	680.00 P	390.00 P	180.00 P
INORGANICS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	14900.00	7310.00	9570.00	7610.00	12100.00	13700.00
Antimony	15.10 U	--	--	--	--	12.80 B
Arsenic	7.73	9.68	8.06	5.01	9.47	9.47
Barium	77.20	178.00	106.00	112.00	129.00	86.90
Beryllium	1.00 B	2.00 B	1.40	1.00 B	1.30	0.97
Cadmium	0.82 U	17.60	8.80	--	9.90	--
Calcium	9710.00	26300.00	15700.00	18700.00	17600.00	23300.00
Chromium	22.50	90.90	30.90	16.80	24.20	21.40
Cobalt	14.00 B	8.20	12.00 B	5.30 B	11.90 B	13.40
Copper	33.20	3020.00	1950.00	1380.00	1160.00	362.00
Iron	23500.00	13600.00	16600.00	10700.00	23500.00	24600.00
Lead	46.75	1760.00	1110.00	542.00	910.00	198.00
Magnesium	6740.00	8700.00	7750.00	4390.00	9320.00	14900.00
Manganese	758.00	393.00	603.00	247.00	736.00	814.00
Mercury	0.07 B	1.77	0.61	0.41	0.36	0.11
Nickel	26.80	155.00	87.30	72.60	58.00	37.20
Potassium	2700.00	1650.00 B	1800.00 B	1560.00 B	2390.00	2440.00
Selenium	0.28 UJ	2.76 J	--	--	--	--
Silver	0.82 U	3.30 B	1.70 B	--	0.70 B	--
Sodium	67.90 B	167.00 B	89.40 B	202.00 B	112.00 B	67.80 B
Vanadium	29.10	18.70	21.60	16.10	28.50	27.80
Zinc	124.00	8470.00	4830.00	5810.00	10700.00	1840.00

VACANT LOT
ILD 984775437

TABLE 3-4
SEDIMENT SAMPLE SUMMARY

SAMPLING POINT	X201 Sed. Bkgnd. 5-5-93	X202 Sediment 5-4-93	X203 Sediment 5-4-93	X204 Sediment 5-4-93	X205 Sediment 5-4-93	X206 Sediment 4-26-94
VOLATILES ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Vinyl Chloride	13 U	--	58	2200	140	--
Acetone	7 J	21	1200	--	15 J	26
Carbon Disulfide	13 U	3 J	--	--	--	--
1,1-Dichloroethane	13 U	--	47	--	--	--
1,2-Dichloroethene (total)	13 U	91	1300	8800	220	--
Chloroform	13 U	--	4 J	--	--	--
2-Butanone	13 U	4 J	7 J	--	4 J	20
1,1,1-Trichloroethene	13 U	--	230	--	--	13
Trichloroethene	13 U	60	82	550 J	--	--
4-Methyl-2-Pentanone	13 U	--	3 J	--	--	--
Tetrachloroethene	13 U	--	11 J	--	--	--
Toluene	13 U	--	10 J	--	--	4 J
Ethylbenzene	13 U	--	5 J	--	--	--
Xylene (total)	13 U	--	31 J	--	--	6 J
2-Heptanone	U	--	110 JN	--	--	--
Methane, Thiools	U	22 JN	--	--	--	--
SEMIVOLATILES ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Carbazole	430 U	--	--	1100 J	1500 J	1500
Naphthalene	430 U	--	--	250 J	--	600
Acenaphthene	430 U	--	--	380 J	560 J	850
4-Nitrophenol	1000 R	21000 R	--	--	--	--
4-Nitroaniline	1000 R	21000 R	--	2900 R	5100 R	--
Phenanthrene	230 J	--	2100 J	5500	9500	6700
Anthracene	430 U	--	--	500 J	1100 J	--
Fluoranthene	520	3900 J	3400 J	7400	14000	2000
Pyrene	470	4200 J	3500 J	5400	13000	1100
Benz(a)anthracene	350 J	2800 J	--	2700	7500	3800
Chrysene	430 U	--	--	2900	7500	--
bis(2-Ethylhexyl)phthalate	270 J	13000	34000	--	--	--
Benz(b)fluoranthene	780	--	--	3100	7100	--
Benz(k)fluoranthene	430 U	--	--	2600	7900	3500
Benz(e)pyrene	410 J	2000 J	--	2900	8200	2500
Indeno(1,2,3-cd)pyrene	210 J	--	--	--	2600	--
Benz(g,h)perylene	430 U	--	--	--	3000	--
Dioctylamono(2ET-HX) EST	U	170000 JN	--	--	--	--
Dibenzofuran	430 U	--	--	--	--	600
Fluorene	450 U	--	--	--	--	980
PESTICIDES ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
alpha-BHC	2.2 UJ	--	--	1.3 JP	1.4 J	5.5 P
gamma-BHC (Lindane)	2.2 UJ	2 J	--	--	--	--
Heptachlor	2.2 U	--	--	--	--	--
Aldrin	1.8 JP	10 P	11 P	27	9 P	--
Dieldrin	1.3 J	8 P	2.3 JP	28	9.5 P	12 P
4,4'-DDE	46 PJ	--	--	--	--	350
Endrin	3.3 JP	--	100 P	--	--	62 P
Endosulfan II	4.3 U	28	--	--	13	--
4,4'-DDD	56 PJ	--	--	--	--	610
Endosulfan sulfate	13	47	--	44	--	--
4,4'-DDT	55 PJ	4.3 JP	42 PJ	21 P	200 D	190
Endrin Ketone	4.3 U	23 P	--	25 P	--	--
alpha-Chlordane	2.2 J	12	9.1 P	18 P	30	19
gamma-Chlordane	1.7 J	7.1 P	22	20 P	28	21 P
Aroclor-1254	64 JPD	600 D	1500 PD	2600 PD	--	1100 P
Aroclor-1260	430 U	880 PD	2300 PD	4700 DC	3100 PD	--
INORGANICS mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	5800	6270	2020	6830	4420	4180
Arsenic	3.89	9.37	4.87	5.54	21.96	8.6
Barium	31	81.2	36.8	60.7	58.5	31.6 B
Beryllium	0.51 B	6.1	--	1.4 B	0.86 B	8 B
Cadmium	1.3 U	3.3	--	--	--	9 B
Calcium	54300	52200	14900	37200	38000	39700
Chromium	12.2	29	7.6	17.6	21	12.9
Cobalt	6 B	7.2 B	3.3 B	8.2 B	4.8 B	6 B
Copper	17.2	3120	74.5	759	157	159
Iron	13600	19000	5360	17600	11900	12000
Lead	18.9	1410	65.7	779	258	149
Magnesium	28800	26900	7770	19900	19000	20500
Manganese	505	476	136	319	274	342
Mercury	0.18	0.47	0.089 B	0.89	0.3	16
Nickel	14.5	60.1	6.7 B	27.7	16.4	24.9
Potassium	1390	637 B	428 B	1150 B	740 B	865
Silver	0.64 U	0.6 B	--	1.9 B	--	1.5 B
Sodium	163 B	808 B	126 B	556 B	512 B	463 B
Vanadium	15.6	14.1	5.4 B	18.8	13.9	14.2
Zinc	70.7	9480	300	3270	665	664
Boron	2.4 U	109	--	28.4	--	N.A.

N.A. = NOT ANALYZED

VACANT LOT
ILD 984775437

TABLE 3-4

GROUNDWATER SAMPLE SUMMARY

SAMPLING POINT	G101 Grd. Wtr. Bkgd. 5-5-93	G102 Grd. Wtr. 5-5-93	G103 Grd. Wtr. 5-5-93	G104 Dup. of G103 5-5-93
PARAMETER				
VOLATILES ug/l		ug/l	ug/l	ug/l
Vinyl Chloride	10 U	2800 D	--	--
Acetone	10 U	5 J	--	--
1,1-Dichloroethene	10 U	59	--	--
1,1-Dichloroethane	10 U	7 J	--	--
1,2-Dichloroethene (total)	10 U	410 DJ	--	--
Trichloroethene	10 U	97	--	--
SEMIVOLATILES ug/l		ug/l	ug/l	ug/l
No Semivolatiles Detected	--	--	--	--
PESTICIDES ug/l		ug/l	ug/l	ug/l
alpha-BHC	0.007 JP	0.0058 JP	0.0051 JP	--
beta-BHC	0.05 U	--	--	0.025 JP
Aldrin	0.0041 JP	0.0043 JP	0.0061 JP	--
Endrin	0.1 U	0.0094 JP	--	--
4,4'-DDT	0.0056 JP	--	0.0061 JP	0.006 JP
alpha-Chlordane	0.003 JP	0.039 J	0.0036 JP	--
Aroclor-1254	1 U	--	0.19 JP	--
INORGANICS ug/l		ug/l	ug/l	ug/l
Aluminum	26.4 B	--	--	--
Barium	107 BJ	61.7 BJ	61.7 BJ	63.2 BJ
Cadmium	16.4	--	--	--
Calcium	133000	105000	119000	121000
Copper	1.88	--	--	--
Iron	103	--	--	--
Lead	6.1 J	--	--	1.55 BJ
Magnesium	24900	48400	43700	44900
Manganese	33.8	591	902	1050
Nickel	42.6	15 B	--	--
Potassium	18400	4230	4690 B	4560 B
Sodium	10300	75800	28200	28300
Zinc	7170	--	--	--
Sulfate	40200	77700	66000	67100
Boron	510	3650	857	825

VACANT LOT
ILD984775437

TABLE 3-7

VACANT LOT SOURCE CONTAMINANTS

SAMPLING POINT PARAMETER	X102 Surface Material 5-4-93	X103 Surface Material 5-4-93	X104 Surface Material 5-4-93	X105 Dup. X104 5-4-93	X107 Surface Material 5-4-93
VOLATILES					
Acetone	19.00	--	--	4.00 J	7.00 J
1,2-Dichloroethene (total)	29.00	--	--		56.00
Chloroform	3.00 J	--	--		
2-Butanone	18.00	--	--		
1,1,1-Trichloroethene	440.00	--	--		130.00 J
Tetrachloroethene	3.00 J	--	--		24.00 J
Toluene	7.00 J	--	--		--
SEMOVOLATILES					
Naphthalene	--	250.00 J	--	--	350.00 J
2-Methylnaphthalene	--	460.00 J	--	--	270.00 J
Acenaphthylene	--	330.00 J	--	--	--
Phenanthrene	250.00 J	3600.00	180.00 J	230.00 J	700.00 J
Anthracene	--	320.00 J	--	--	--
Fluoranthene	270.00 J	4000.00	190.00 J	340.00 J	1100.00 J
Pyrene	290.00 J	3700.00	260.00 J	360.00 J	1600.00 J
Benzo(a)anthracene	190.00 J	2300.00	--	260.00 J	1000.00 J
Chrysene	--	2800.00	--	--	--
bis(2-Ethylhexyl)phthalate	200.00 J	--	--		1500.00
Benzo(b)fluoranthene	440.00	3400.00	490.00	1100.00	990.00 J
Benzo(k)fluoranthene	--	2400.00	--	--	
Benzo(a)pyrene	--	2400.00	230.00 J	570.00	520.00 J
PESTICIDES					
Aldrin	66.00	67.00	24.00	28.00	49.00
Heptachlor epoxide	27.00 P	--	--	--	
Endosulfan I	--	--	--	0.68 JP	--
Dieldrin	--	18.00 P	3.70 J	4.90	--
4,4'-DDE	--	--	--		1800.00 PCDJ
Endrin	--	170.00	--	--	
Endosulfan II	--	59.00	5.70	7.40	--
4,4'-DDD	--	--			1100.00 PCDJ
Endosulfan sulfate	5.50	--	--	--	12.00
4,4'-DDT	--	180.00 D	8.90 PJ	12.00 PJ	1400.00 PCDJ
Methoxychlor (Mariate)	18.00 JP	250.00 JD	--	--	39.00 PJ
gamma-Chlordane	22.00 P	41.00	3.30 P	4.60 P	18.00 P
Aroclor -1232	--	--	120.00 P	160.00 P	--
Aroclor -1242	--	--	230.00 P	--	
Aroclor -1254	1800.00 PD	2100.00 PD	400.00 P	520.00 P	4400.00 PD
Aroclor -1260	770.00 PD	5400.00 PD	510.00	620.00	1400.00 PD
INORGANICS					
Aluminum	17000.00	6890.00	13100.00	14300.00	12100.00
Arsenic	23.20	485.00	22.60	29.80	16.40
Barium	384.00	120.00	294.00	310.00	227.00
Beryllium	54.90	2.10	58.10	57.70	15.90
Cadmium	35.80	6.60	18.50	19.10	21.70
Calcium	17500.00	42400.00	19800.00	19400.00	24300.00
Chromium	228.00	32.30	133.00	138.00	107.00
Cobalt	44.00	22.90	48.20	38.00	41.40
Copper	38600.00	910.00	27600.00	28500.00	14300.00
Iron	60000.00	39100.00	58600.00	68100.00	27600.00
Lead	12600.00	558.00	8360.00	8810.00	6680.00
Magnesium	6130.00	20900.00	9210.00	8600.00	9300.00
Manganese	2540.00	539.00	3190.00	3440.00	1200.00
Mercury	1.13	0.66	0.33	0.29	3.23
Nickel	760.00	46.90	551.00	572.00	273.00
Potassium	469.00 B	1110.00 B	803.00 B	860.00 B	1590.00 B
Selenium	4.06	--	5.57 J	5.66 J	6.41 J
Silver	9.90	3.30	8.40	8.90	49.20
Sodium	2660.00	400.00 B	5610.00	7160.00	916.00 B
Vanadium	24.40	26.10	20.80	22.50	24.90
Zinc	99000.00	1970.00	62500.00	89300.00	37200.00
Boron	1040.00	38.20	2020.00	2330.00	195.00

Sample X106 was not collected.

DATA QUALIFIERS

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICS) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
C	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
B	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor as in the "E" flag, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and <u>all</u> concentration values are flagged with the "D" flag.	Not used.
E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference.
A	This flag indicates that a TIC is a suspected aldol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
M	Not used.	Duplicate injection (a QC parameter not met).

N	Not used.	Spiked sample (a QC parameter not met).
S	Not used.	The reported value was determined by the Method of Standard Additions (MSA).
W	Not used.	Post digestion spike for Furnace AA analysis (a QC parameter) is out of control limits of 85% to 115% recovery, while sample absorbance is less than 50% of spike absorbance.
*	Not used.	Duplicate analysis (a QC parameter not within control limits).
+	Not used.	Correlation coefficient for MSA (a QC parameter) is less than 0.995.
P	Not used.	Method qualifier indicates analysis by ICP (Inductively Coupled Plasma) Spectroscopy.
CV	Not used.	Method qualifier indicates analysis by Cold Vapor AA.
AV	Not used.	Method qualifier indicates analysis by Automated Cold Vapor AA.
AS	Not used.	Method qualifier indicates analysis by Semi-Automated Cold Spectrophotometry.
T	Not used.	Method qualifier indicates Titrimetric analysis.
NR	The analyte was not required to be analyzed.	The analyte was not required to be analyzed.
R	Rejected data. The QC parameters indicate that the data is not usable for any purpose.	Rejected data. The QC parameters indicate that the data is not usable for any purpose.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0970000000

G101

Lab Code: SPFLD

Case No.: VACANT

SAS No.: _____

SDG No.: 334853

Matrix: (soil/water) WATER

Lab Sample ID: D334869

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B0507LC05

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: not dec. _____

Date Analyzed: 05/07/93

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	BJU am
67-64-1-----	Acetone	10	UJ
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	UJ
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	UJ
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	UJ
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0970000000

G101

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER Lab Sample ID: D334869

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0507LC05

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. _____ Date Analyzed: 05/07/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

G101

Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>		
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____	SDG No.: <u>334853</u>
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID:	<u>D334869</u>
Sample wt/vol: <u>1000</u> (g/mL) <u>ML</u>		Lab File ID:	<u>C0511E04</u>
Level: (low/med) <u>LOW</u>		Date Received:	<u>05/06/93</u>
% Moisture: _____	decanted: (Y/N) <u> </u>	Date Extracted:	<u>05/10/93</u>
Concentrated Extract Volume: <u>1000</u> (uL)		Date Analyzed:	<u>05/11/93</u>
Injection Volume: <u>2.0</u> (uL)		Dilution Factor:	<u>1.0</u>
GPC Cleanup: (Y/N) <u>N</u>	pH: <u>7.3</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q	
CAS NO.	COMPOUND		
108-95-2-----Phenol		10	U
111-44-4-----bis(2-Chloroethyl) Ether		10	U
95-57-8-----2-Chlorophenol		10	U
541-73-1-----1,3-Dichlorobenzene		10	U
106-46-7-----1,4-Dichlorobenzene		10	U
95-50-1-----1,2-Dichlorobenzene		10	U
95-48-7-----2-Methylphenol		10	U
108-60-1-----2,2'-oxybis(1-Chloropropane)		10	U
106-44-5-----4-Methylphenol		10	U
621-64-7-----N-Nitroso-Di-n-Propylamine		10	U
67-72-1-----Hexachloroethane		10	U
98-95-3-----Nitrobenzene		10	U
78-59-1-----Isophorone		10	U
88-75-5-----2-Nitrophenol		10	U
105-67-9-----2,4-Dimethylphenol		10	U
111-91-1-----bis(2-Chloroethoxy) Methane		10	U
120-83-2-----2,4-Dichlorophenol		10	U
120-82-1-----1,2,4-Trichlorobenzene		10	U
91-20-3-----Naphthalene		10	U
106-47-8-----4-Chloroaniline		10	U
87-68-3-----Hexachlorobutadiene		10	U
59-50-7-----4-Chloro-3-Methylphenol		10	U
91-57-6-----2-Methylnaphthalene		10	U
77-47-4-----Hexachlorocyclopentadiene		10	U
88-06-2-----2,4,6-Trichlorophenol		10	U
95-95-4-----2,4,5-Trichlorophenol		25	U
91-58-7-----2-Chloronaphthalene		10	U
88-74-4-----2-Nitroaniline		25	U
131-11-3-----Dimethylphthalate		10	U
208-96-8-----Acenaphthylene		10	U
606-20-2-----2,6-Dinitrotoluene		10	U
99-09-2-----3-Nitroaniline		25	U
83-32-9-----Acenaphthene		10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Name: ILLINOIS EPA

Contract: 0970000000

G101

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER

Lab Sample ID: D334869

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: C0511E04

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/10/93

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/11/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	25 U
100-02-7-----	4-Nitrophenol	25 U
132-64-9-----	Dibenzofuran	10 U
121-14-2-----	2,4-Dinitrotoluene	10 U
84-66-2-----	Diethylphthalate	10 U
7005-72-3-----	4-Chlorophenyl-phenylether	10 U
86-73-7-----	Fluorene	10 U
100-10-6-----	4-Nitroaniline	25 UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	25 U
86-30-6-----	N-Nitrosodiphenylamine (1)	10 U
101-55-3-----	4-Bromophenyl-phenylether	10 U
118-74-1-----	Hexachlorobenzene	10 U
87-86-5-----	Pentachlorophenol	25 U
85-01-8-----	Phenanthrene	10 U
120-12-7-----	Anthracene	10 U
86-74-8-----	Carbazole	10 U
84-74-2-----	Di-n-Butylphthalate	10 U
206-44-0-----	Fluoranthene	10 U
129-00-0-----	Pyrene	10 U
85-68-7-----	Butylbenzylphthalate	10 U
91-94-1-----	3,3'-Dichlorobenzidine	10 U
56-55-3-----	Benzo(a)Anthracene	10 U
218-01-9-----	Chrysene	10 U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	10 U
117-84-0-----	Di-n-Octyl Phthalate	10 U
205-99-2-----	Benzo(b)Fluoranthene	10 U
207-08-9-----	Benzo(k)Fluoranthene	10 U
50-32-8-----	Benzo(a)Pyrene	10 U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	10 U
53-70-3-----	Dibenz(a,h)Anthracene	10 U
191-24-2-----	Benzo(g,h,i)Perylene	10 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G101

Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID: <u>D334869</u>
Sample wt/vol: <u>1000</u> (g/mL) <u>ML</u>		Lab File ID: <u>C0511E04</u>
Level: (low/med) <u>LOW</u>		Date Received: <u>05/06/93</u>
% Moisture: _____	decanted: (Y/N) _____	Date Extracted: <u>05/10/93</u>
Concentrated Extract Volume: <u>1000</u> (uL)		Date Analyzed: <u>05/11/93</u>
Injection Volume: <u>2.0</u> (uL)		Dilution Factor: <u>1.0</u>
GPC Cleanup: (Y/N) <u>N</u>	pH: <u>7.3</u>	

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	UNKNOWN	8.52	14	B <u>J</u>	am
	UNKNOWN	10.50	43	B <u>J</u>	am
..	UNKNOWN	14.27	63	B <u>J</u>	am
4.	UNKNOWN	14.35	9	J	
5.	UNKNOWN	21.55	5	J	
6.	UNKNOWN	28.32	9	J	
7. 791-28-6	PHOSPHINE OXIDE, TRIPHENYL-	30.84	17	JNB <u>J</u>	am

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER Lab Sample ID: D334869

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____ Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 05/11/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
319-84-6-----	alpha-BHC	0.0070	JP
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	UJ
58-89-9-----	gamma-BHC (Lindane)	0.050	UJ
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.0041	JP
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4, 4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
50-29-3-----	4, 4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4, 4'-DDT	0.0056	JP
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-36-3-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.0030	JP
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

INORGANIC ANALYSIS DATA SHEET

G101

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: VACANT LOT MAYWOOD
 Lab Code: Case No.: SAS No.: SDG No.: 91
 Matrix (Water): Lab Sample ID: B306601
 Level (Low/Med): Date Received: 05/06/93
 % Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.4	B		PM
7440-36-0	Antimony	60.0	U		PM
7440-38-2	Arsenic	1.0	U		FM
7440-39-3	Barium	107.0	B	F	PM
7440-41-7	Beryllium	1.0	U		PM
7440-43-9	Cadmium	16.4			PM
7440-70-2	Calcium	133000			PM
7440-47-3	Chromium	2.0	U		PM
7440-48-4	Cobalt	6.0	U		PM
7440-50-8	Copper	188			PM
7439-89-6	Iron	103.0			PM
7439-92-1	Lead	6.1			FM
7439-95-4	Magnesium	24900			PM
7439-96-5	Manganese	33.6			PM
7439-97-6	Mercury	0.03	U		AV
7440-02-2	Nickel	42.6			PM
7440-09-7	Potassium	18400			PM
7782-49-2	Selenium	5.0	U	W	FM
7440-22-4	Silver	3.0	U		PM
7440-23-5	Sodium	10300			PM
7440-28-0	Thallium	1.0	U		FM
7440-62-2	Vanadium	2.0	U		PM
7440-66-6	Zinc	7170			PM
	Cyanide	10.0	U		AS
	Sulfide	1000.0	U		T
	Sulfate	40200			AS
	Boron	510.0			PM

Color Before: -Colorless- Clarity Before: —Clear— Texture: _____
 Color After: -Colorless— Clarity After: —Clear— Artifacts: _____
 Comments: —SULFIDE SW846 METHODOLOGY—
 —SULFATE IEPA METHODOLOGY—

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0970000000

G102RE

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER Lab Sample ID: D334870RE

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0511LC09

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. _____ Date Analyzed: 05/11/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	2000	E
75-00-3-----	Chloroethane	10	UJ
75-09-2-----	Methylene Chloride	10 ⁸	BT UJ am
67-64-1-----	Acetone	5	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	59	
75-34-3-----	1,1-Dichloroethane	7	J
540-59-0-----	1,2-Dichloroethene (total)	290	E
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	UJ
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	97	
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	UJ
108-10-1-----	4-Methyl-2-Pentanone	10	UJ
591-78-6-----	2-Hexanone	10	UJ
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G102RE

Lab Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>D334870RE</u>	
Sample wt/vol: <u>5.0</u> (g/mL) <u>ML</u>	Lab File ID: <u>B0511LC09</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>	
% Moisture: not dec.	Date Analyzed: <u>05/11/93</u>	
GC Column: <u>DB-624</u> ID: <u>0.530</u> (mm)	Dilution Factor: <u>1.0</u>	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	15.90	10	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0970000000

G102DL

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER

Lab Sample ID: D334870DL

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B0512LC05

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: not dec. _____

Date Analyzed: 05/12/93

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 100.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	UNITS:
<u>74-87-3-----Chloromethane</u>	<u>1000</u>	<u>U</u>
<u>74-83-9-----Bromomethane</u>	<u>1000</u>	<u>U</u>
<u>75-01-4-----Vinyl Chloride</u>	<u>2800</u>	<u>D</u>
<u>75-00-3-----Chloroethane</u>	<u>1000</u>	<u>UJ</u>
<u>75-09-2-----Methylene Chloride</u>	<u>1000</u>	<u>BDJU</u>
<u>67-64-1-----Acetone</u>	<u>1000</u>	<u>UJ</u>
<u>75-15-0-----Carbon Disulfide</u>	<u>1000</u>	<u>U</u>
<u>75-35-4-----1,1-Dichloroethene</u>	<u>1000</u>	<u>U</u>
<u>75-34-3-----1,1-Dichloroethane</u>	<u>1000</u>	<u>U</u>
<u>540-59-0-----1,2-Dichloroethene (total)</u>	<u>410</u>	<u>DJ</u>
<u>67-66-3-----Chloroform</u>	<u>1000</u>	<u>BDJU</u>
<u>107-06-2-----1,2-Dichloroethane</u>	<u>1000</u>	<u>am</u>
<u>78-93-3-----2-Butanone</u>	<u>1000</u>	<u>UJ</u>
<u>71-55-6-----1,1,1-Trichloroethane</u>	<u>1000</u>	<u>U</u>
<u>56-23-5-----Carbon Tetrachloride</u>	<u>1000</u>	<u>U</u>
<u>75-27-4-----Bromodichloromethane</u>	<u>1000</u>	<u>U</u>
<u>78-87-5-----1,2-Dichloropropane</u>	<u>1000</u>	<u>U</u>
<u>10061-01-5-----cis-1,3-Dichloropropene</u>	<u>1000</u>	<u>U</u>
<u>79-01-6-----Trichloroethene</u>	<u>1000</u>	<u>U</u>
<u>124-48-1-----Dibromochloromethane</u>	<u>1000</u>	<u>U</u>
<u>79-00-5-----1,1,2-Trichloroethane</u>	<u>1000</u>	<u>U</u>
<u>71-43-2-----Benzene</u>	<u>1000</u>	<u>U</u>
<u>10061-02-6-----trans-1,3-Dichloropropene</u>	<u>1000</u>	<u>U</u>
<u>75-25-2-----Bromoform</u>	<u>1000</u>	<u>UJ</u>
<u>108-10-1-----4-Methyl-2-Pentanone</u>	<u>1000</u>	<u>U</u>
<u>591-78-6-----2-Hexanone</u>	<u>1000</u>	<u>UJ</u>
<u>127-18-4-----Tetrachloroethene</u>	<u>1000</u>	<u>U</u>
<u>79-34-5-----1,1,2,2-Tetrachloroethane</u>	<u>1000</u>	<u>U</u>
<u>108-88-3-----Toluene</u>	<u>1000</u>	<u>U</u>
<u>108-90-7-----Chlorobenzene</u>	<u>1000</u>	<u>U</u>
<u>100-41-4-----Ethylbenzene</u>	<u>1000</u>	<u>U</u>
<u>100-42-5-----Styrene</u>	<u>1000</u>	<u>U</u>
<u>1330-20-7-----Xylene (total)</u>	<u>1000</u>	<u>U</u>

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ILLINOIS EPA Contract: 0970000000

G102DL

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER Lab Sample ID: D334870DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0512LC05

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. _____ Date Analyzed: 05/12/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102

Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>		
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____	SDG No.: <u>334853</u>
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID: <u>D334870</u>	
Sample wt/vol: <u>1000</u> (g/mL) <u>ML</u>		Lab File ID: <u>C0511E05</u>	
Level: (low/med) <u>LOW</u>		Date Received: <u>05/06/93</u>	
% Moisture: _____	decanted: (Y/N) _____	Date Extracted: <u>05/10/93</u>	
Concentrated Extract Volume: <u>1000</u> (uL)		Date Analyzed: <u>05/11/93</u>	
Injection Volume: <u>2.0</u> (uL)		Dilution Factor: <u>1.0</u>	
GPC Cleanup: (Y/N) <u>N</u>	pH: <u>7.6</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q	
CAS NO.	COMPOUND		
108-95-2-----	Phenol	10	U
111-44-4-----	bis(2-Chloroethyl)Ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	bis(2-Chloroethoxy)Methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-Methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Name: ILLINOIS EPA

Contract: 0970000000

G102

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER

Lab Sample ID: D334870

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: C0511E05

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: _____ decanted: (Y/N)

Date Extracted: 05/10/93

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/11/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	25 U
100-02-7-----	4-Nitrophenol	25 U
132-64-9-----	Dibenzofuran	10 U
121-14-2-----	2,4-Dinitrotoluene	10 U
84-66-2-----	Diethylphthalate	10 U
7005-72-3-----	4-Chlorophenyl-phenylether	10 U
86-73-7-----	Fluorene	10 U
100-10-6-----	4-Nitroaniline	25 UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	25 U
86-30-6-----	N-Nitrosodiphenylamine (1)	10 U
101-55-3-----	4-Bromophenyl-phenylether	10 U
118-74-1-----	Hexachlorobenzene	10 U
87-86-5-----	Pentachlorophenol	25 U
85-01-8-----	Phenanthrene	10 U
120-12-7-----	Anthracene	10 U
86-74-8-----	Carbazole	10 U
84-74-2-----	Di-n-Butylphthalate	10 U
206-44-0-----	Fluoranthene	10 U
129-00-0-----	Pyrene	10 U
85-68-7-----	Butylbenzylphthalate	10 U
91-94-1-----	3,3'-Dichlorobenzidine	10 U
56-55-3-----	Benzo(a)Anthracene	10 U
218-01-9-----	Chrysene	10 U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	10 U
117-84-0-----	Di-n-Octyl Phthalate	10 U
205-99-2-----	Benzo(b)Fluoranthene	10 U
207-08-9-----	Benzo(k)Fluoranthene	10 U
50-32-8-----	Benzo(a)Pyrene	10 U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	10 U
53-70-3-----	Dibenz(a,h)Anthracene	10 U
191-24-2-----	Benzo(g,h,i)Perylene	10 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G102

Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	<u>G102</u>
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID: <u>D334870</u>
Sample wt/vol:	<u>1000</u> (g/mL) <u>ML</u>	Lab File ID: <u>C0511E05</u>
Level:	(low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>
% Moisture:	decanted: (Y/N) <u> </u>	Date Extracted: <u>05/10/93</u>
Concentrated Extract Volume: <u>1000</u> (uL)		Date Analyzed: <u>05/11/93</u>
Injection Volume: <u>2.0</u> (uL)		Dilution Factor: <u>1.0</u>
GPC Cleanup: (Y/N) <u>N</u>	pH: <u>7.6</u>	

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	UNKNOWN	8.50	23	B <u>J</u> U	an
2.	UNKNOWN	10.49	24	B <u>J</u> U	an
	UNKNOWN	14.27	28	B <u>J</u> U	an
4.	UNKNOWN	28.47	22	J	
5.	UNKNOWN	30.87	15	B <u>J</u> U	an

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102

--b Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER Lab Sample ID: D334870

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____ Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 05/11/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
319-84-6-----	alpha-BHC	0.0058	JP
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	UJ
58-89-9-----	gamma-BHC (Lindane)	0.050	UJ
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.0043	JP
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.0094	JP
33213-65-9-----	Endosulfan II	0.10	U
50-29-3-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-36-3-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.039	J
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

INORGANIC ANALYSIS DATA SHEET

G102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: VACANT LOT MAYWOOD
 Lab Code: Case No.: SAS No.: SDG No.: 91
 Matrix (Water): Lab Sample ID: B306602
 Level (Low/Med): Date Received: 05/06/93
 % Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19.0	U		PM
7440-36-0	Antimony	60.0	U		PM
7440-38-2	Arsenic	1.0	U		FM
7440-39-3	Barium	61.7	B	E	PM
7440-41-7	Beryllium	1.0	U		PM
7440-43-9	Cadmium	3.0	U		PM
7440-70-2	Calcium	105000			PM
7440-47-3	Chromium	2.0	U		PM
7440-48-4	Cobalt	6.0	U		PM
7440-50-8	Copper	4.1	R		PM
7439-89-6	Iron	5.0	U		PM
7439-92-1	Lead	1.0	U		FM
7439-95-4	Magnesium	48400			PM
7439-96-5	Manganese	591			PM
7439-97-6	Mercury	0.03	U		AV
7440-02-2	Nickel	15.0	B		PM
7440-09-7	Potassium	4230			PM
7782-49-2	Selenium	5.0	U	W	FM
7440-22-4	Silver	3.0	U		PM
7440-23-5	Sodium	75800			PM
7440-28-0	Thallium	1.0	U	W	FM
7440-62-2	Vanadium	2.0	U		PM
7440-66-6	Zinc	18.0	R		PM
	Cyanide	10.0	U		AS
	Sulfide	1000.0	U		T
	Sulfate	77700			AS
	Boron	3650			PM

Color Before: -Colorless- Clarity Before: —Clear— Texture: —
 Color After: -Colorless- Clarity After: —Clear— Artifacts: —
 Comments: —SULFIDE SW846 METHODOLOGY—
 —SULFATE IEPA METHODOLOGY—

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER Lab Sample ID: D334871

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0507LC08

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. Date Analyzed: 05/07/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	10	U	
74-87-3-----	Chloromethane	10	U	
74-83-9-----	Bromomethane	10	U	
75-01-4-----	Vinyl Chloride	10	U	
75-00-3-----	Chloroethane	10	U	
75-09-2-----	Methylene Chloride	10	U	BJU am
67-64-1-----	Acetone	10	UJ	
75-15-0-----	Carbon Disulfide	10	U	
75-35-4-----	1,1-Dichloroethene	10	U	
75-34-3-----	1,1-Dichloroethane	10	U	
540-59-0-----	1,2-Dichloroethene (total)	10	U	
67-66-3-----	Chloroform	10	U	
107-06-2-----	1,2-Dichloroethane	10	U	
78-93-3-----	2-Butanone	10	UJ	
71-55-6-----	1,1,1-Trichloroethane	10	U	
56-23-5-----	Carbon Tetrachloride	10	U	
75-27-4-----	Bromodichloromethane	10	U	
78-87-5-----	1,2-Dichloropropane	10	U	
10061-01-5-----	cis-1,3-Dichloropropene	10	U	
79-01-6-----	Trichloroethene	10	U	
124-48-1-----	Dibromochloromethane	10	U	
79-00-5-----	1,1,2-Trichloroethane	10	U	
71-43-2-----	Benzene	10	U	
10061-02-6-----	trans-1,3-Dichloropropene	10	U	
75-25-2-----	Bromoform	10	UJ	
108-10-1-----	4-Methyl-2-Pentanone	10	U	
591-78-6-----	2-Hexanone	10	UJ	
127-18-4-----	Tetrachloroethene	10	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U	
108-88-3-----	Toluene	10	U	
108-90-7-----	Chlorobenzene	10	U	
100-41-4-----	Ethylbenzene	10	U	
100-42-5-----	Styrene	10	U	
1330-20-7-----	Xylene (total)	10	U	

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G103

Lab Name: ILLINOIS EPA

Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER

Lab Sample ID: D334871

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B0507LC08

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: not dec. _____

Date Analyzed: 05/07/93

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Name: ILLINOIS EPA

Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER

Lab Sample ID: D334871

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: C0511E06

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/10/93

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/11/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	Q
108-95-2-----	Phenol	10 U
111-44-4-----	bis(2-Chloroethyl) Ether	10 U
95-57-8-----	2-Chlorophenol	10 U
541-73-1-----	1,3-Dichlorobenzene	10 U
106-46-7-----	1,4-Dichlorobenzene	10 U
95-50-1-----	1,2-Dichlorobenzene	10 U
95-48-7-----	2-Methylphenol	10 U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10 U
106-44-5-----	4-Methylphenol	10 U
621-64-7-----	N-Nitroso-Di-n-Propylamine	10 U
67-72-1-----	Hexachloroethane	10 U
98-95-3-----	Nitrobenzene	10 U
78-59-1-----	Isophorone	10 U
88-75-5-----	2-Nitrophenol	10 U
105-67-9-----	2,4-Dimethylphenol	10 U
111-91-1-----	bis(2-Chloroethoxy) Methane	10 U
120-83-2-----	2,4-Dichlorophenol	10 U
120-82-1-----	1,2,4-Trichlorobenzene	10 U
91-20-3-----	Naphthalene	10 U
106-47-8-----	4-Chloroaniline	10 U
87-68-3-----	Hexachlorobutadiene	10 U
59-50-7-----	4-Chloro-3-Methylphenol	10 U
91-57-6-----	2-Methylnaphthalene	10 U
77-47-4-----	Hexachlorocyclopentadiene	10 U
88-06-2-----	2,4,6-Trichlorophenol	10 U
95-95-4-----	2,4,5-Trichlorophenol	25 U
91-58-7-----	2-Chloronaphthalene	10 U
88-74-4-----	2-Nitroaniline	25 U
131-11-3-----	Dimethylphthalate	10 U
208-96-8-----	Acenaphthylene	10 U
606-20-2-----	2,6-Dinitrotoluene	10 U
99-09-2-----	3-Nitroaniline	25 U
83-32-9-----	Acenaphthene	10 U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Name: ILLINOIS EPA

Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER

Lab Sample ID: D334871

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: C0511E06

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/10/93

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/11/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	25 U
100-02-7-----	4-Nitrophenol	25 U
132-64-9-----	Dibenzofuran	10 U
121-14-2-----	2,4-Dinitrotoluene	10 U
84-66-2-----	Diethylphthalate	10 U
7005-72-3-----	4-Chlorophenyl-phenylether	10 U
86-73-7-----	Fluorene	10 U
100-10-6-----	4-Nitroaniline	25 UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	25 U
86-30-6-----	N-Nitrosodiphenylamine (1)	10 U
101-55-3-----	4-Bromophenyl-phenylether	10 U
118-74-1-----	Hexachlorobenzene	10 U
87-86-5-----	Pentachlorophenol	25 U
85-01-8-----	Phenanthrene	10 U
120-12-7-----	Anthracene	10 U
86-74-8-----	Carbazole	10 U
84-74-2-----	Di-n-Butylphthalate	10 U
206-44-0-----	Fluoranthene	10 U
129-00-0-----	Pyrene	10 U
85-68-7-----	Butylbenzylphthalate	10 U
91-94-1-----	3,3'-Dichlorobenzidine	10 U
56-55-3-----	Benzo(a)Anthracene	10 U
218-01-9-----	Chrysene	10 U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	10 U
117-84-0-----	Di-n-Octyl Phthalate	10 U
205-99-2-----	Benzo(b)Fluoranthene	10 U
207-08-9-----	Benzo(k)Fluoranthene	10 U
50-32-8-----	Benzo(a)Pyrene	10 U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	10 U
53-70-3-----	Dibenz(a,h)Anthracene	10 U
191-24-2-----	Benzo(g,h,i)Perylene	10 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G103

Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER Lab Sample ID: D334871

Sample wt/vol: 1000 (g/mL) ML Lab File ID: C0511E06

Level: (low/med) LOW Date Received: 05/06/93

Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/10/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/11/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.50	9	BJU
2.	UNKNOWN	10.49	28	BJU
4.	UNKNOWN	14.24	46	BJU
5.	UNKNOWN ACID	20.12	7	J
5.	UNKNOWN SULFONYLBIS-BENZENE	28.07	7	J
6.	UNKNOWN	28.31	21	J
7.	UNKNOWN	30.81	29	BJU

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

G103

Lab Name: ILLINOIS EPA

Contract: 0970000000

Lab Code: SPFLD

Case No.: VACANT

SAS No.: _____

SDG No.: 334853

Matrix: (soil/water) WATER

Lab Sample ID: D334871

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N)

Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/11/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/93

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.5

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
319-84-6-----	alpha-BHC	0.0051	JP
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	UJ
58-89-9-----	gamma-BHC (Lindane)	0.050	UJ
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.0061	JP
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
50-29-3-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.0061	JP
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-36-3-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.0036	JP
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	0.19	JP
11096-82-5-----	Aroclor-1260	1.0	U

INORGANIC ANALYSIS DATA SHEET

G103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: VACANT LOT MAYWOOD
 Lab Code: Case No.: SAS No.: SDG No.: 91
 Matrix (Water): Lab Sample ID: B306603
 Level (Low/Med): Date Received: 05/06/93
 % Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19.0	U		PM
7440-36-0	Antimony	60.0	U		PM
7440-38-2	Arsenic	1.0	U		FM
7440-39-3	Barium	61.7	B	E	PM
7440-41-7	Beryllium	1.0	U		PM
7440-43-9	Cadmium	3.0	U		PM
7440-70-2	Calcium	119000			PM
7440-47-3	Chromium	2.0	U		PM
7440-48-4	Cobalt	6.0	U		PM
7440-50-8	Copper	7.3	U	R	PM
7439-89-6	Iron	5.0	U		PM
7439-92-1	Lead	1.0	U		FM
7439-95-4	Magnesium	43700			PM
7439-96-5	Manganese	902			PM
7439-97-6	Mercury	0.03	U		AV
7440-02-2	Nickel	15.0	U		PM
7440-09-7	Potassium	4690	B		PM
7782-49-2	Selenium	5.0	U	W	FM
7440-22-4	Silver	3.0	U		PM
7440-23-5	Sodium	28200			PM
7440-28-0	Thallium	1.0	U		FM
7440-62-2	Vanadium	2.0	U		PM
7440-66-6	Zinc	16.9	U	R	PM
	Cyanide	10.0	U		AS
	Sulfide	1000.0	U		T
	Sulfate	66000			AS
	Boron	857			PM

Color Before: -Colorless- Clarity Before: —Clear— Texture:
 Color After: -Colorless- Clarity After: —Clear— Artifacts:
 Comments: —SULFIDE SW846 METHODOLOGY—
 —SULFATE IEPA METHODOLOGY—

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0970000000

G104

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER

Lab Sample ID: D334872

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B0511LC05

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: not dec. _____

Date Analyzed: 05/11/93

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	UJ
75-09-2-----	Methylene Chloride	10	BJU
67-64-1-----	Acetone	10	UJ
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	UJ
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	UJ
108-10-1-----	4-Methyl-2-Pentanone	10	UJ
591-78-6-----	2-Hexanone	10	UJ
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G104

Lab Name: ILLINOIS EPA

Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER

Lab Sample ID: D334872

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B0511LC05

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: not dec. _____

Date Analyzed: 05/11/93

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Name: ILLINOIS EPA

Contract: 0970000000

G104

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER Lab Sample ID: D334872

Sample wt/vol: 1000 (g/mL) ML Lab File ID: C0511E07

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/10/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/12/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	bis(2-Chloroethyl)Ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	bis(2-Chloroethoxy)Methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-Methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

Name: ILLINOIS EPA

Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER

Lab Sample ID: D334872

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: C0511E07

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/10/93

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/12/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	25 U
100-02-7-----	4-Nitrophenol	25 U
132-64-9-----	Dibenzofuran	10 U
121-14-2-----	2,4-Dinitrotoluene	10 U
84-66-2-----	Diethylphthalate	10 U
7005-72-3-----	4-Chlorophenyl-phenylether	10 U
86-73-7-----	Fluorene	10 U
100-10-6-----	4-Nitroaniline	25 UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	25 U
86-30-6-----	N-Nitrosodiphenylamine (1)	10 U
101-55-3-----	4-Bromophenyl-phenylether	10 U
118-74-1-----	Hexachlorobenzene	10 U
87-86-5-----	Pentachlorophenol	25 U
85-01-8-----	Phenanthrene	10 U
120-12-7-----	Anthracene	10 U
86-74-8-----	Carbazole	10 U
84-74-2-----	Di-n-Butylphthalate	10 U
206-44-0-----	Fluoranthene	10 U
129-00-0-----	Pyrene	10 U
85-68-7-----	Butylbenzylphthalate	10 U
91-94-1-----	3,3'-Dichlorobenzidine	10 U
56-55-3-----	Benzo(a)Anthracene	10 U
218-01-9-----	Chrysene	10 U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	10 U
117-84-0-----	Di-n-Octyl Phthalate	10 U
205-99-2-----	Benzo(b)Fluoranthene	10 U
207-08-9-----	Benzo(k)Fluoranthene	10 U
50-32-8-----	Benzo(a)Pyrene	10 U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	10 U
53-70-3-----	Dibenz(a,h)Anthracene	10 U
191-24-2-----	Benzo(g,h,i)Perylene	10 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Name: ILLINOIS EPA

Contract: 0970000000

G104

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER

Lab Sample ID: D334872

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: C0511E07

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/10/93

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/12/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	UNKNOWN	8.54	22	B <u>J</u> L	am
~	UNKNOWN	10.50	61	B <u>J</u> L	am
	UNKNOWN	14.29	71	B <u>J</u> L	am
4.	UNKNOWN	14.35	9	J	
5.	UNKNOWN	17.74	4	J	
6.	UNKNOWN	19.04	3	J	
7.	UNKNOWN ACID	20.12	6	J	
8.	UNKNOWN	21.52	6	J	
9.	UNKNOWN	28.31	15	J	
10. 791-28-6	PHOSPHINE OSIDE, TRIPHENYL	30.81	22	B <u>J</u> L	am

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

✓ Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER Lab Sample ID: D334872

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____ Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 05/11/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
319-84-6-----	alpha-BHC	0.050	UJ	
319-85-7-----	beta-BHC	0.025	JP	
319-86-8-----	delta-BHC	0.050	UJ	
58-89-9-----	gamma-BHC (Lindane)	0.050	UJ	
76-44-8-----	Heptachlor	0.050	U	
309-00-2-----	Aldrin	0.050	U	
1024-57-3-----	Heptachlor epoxide	0.050	U	
959-98-8-----	Endosulfan I	0.050	U	
60-57-1-----	Dieldrin	0.10	U	
72-55-9-----	4, 4'-DDE	0.10	U	
72-20-8-----	Endrin	0.10	U	
33213-65-9-----	Endosulfan II	0.10	U	
50-29-3-----	4, 4'-DDD	0.10	U	
1031-07-8-----	Endosulfan sulfate	0.10	U	
50-29-3-----	4, 4'-DDT	0.0060	JP	
72-43-5-----	Methoxychlor	0.50	U	
53494-70-5-----	Endrin ketone	0.10	U	
7421-36-3-----	Endrin aldehyde	0.10	U	
5103-71-9-----	alpha-Chlordane	0.050	U	
5103-74-2-----	gamma-Chlordane	0.050	U	
8001-35-2-----	Toxaphene	5.0	U	
12674-11-2-----	Aroclor-1016	1.0	U	
11104-28-2-----	Aroclor-1221	2.0	U	
11141-16-5-----	Aroclor-1232	1.0	U	
53469-21-9-----	Aroclor-1242	1.0	U	
12672-29-6-----	Aroclor-1248	1.0	U	
11097-69-1-----	Aroclor-1254	1.0	U	
11096-82-5-----	Aroclor-1260	1.0	U	

INORGANIC ANALYSIS DATA SHEET

G104

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: VACANT LOT MAYWOOD
 Lab Code: Case No.: SAS No.: SDG No.: 91
 Matrix (Water): Lab Sample ID: B306604
 Level (Low/Med): Date Received: 05/06/93
 % Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19.0	U		PM
7440-36-0	Antimony	60.0	U		PM
7440-38-2	Arsenic	1.0	U		FM
7440-39-3	Barium	63.2	B	E	PM
7440-41-7	Beryllium	1.0	U		PM
7440-43-9	Cadmium	3.0	U		PM
7440-70-2	Calcium	121000			PM
7440-47-3	Chromium	2.0	U		PM
7440-48-4	Cobalt	6.0	U		PM
7440-50-8	Copper	7.5	B		PM
7439-89-6	Iron	19.2	U		PM
7439-92-1	Lead	1.55	B	W	FM
7439-95-4	Magnesium	44900			PM
7439-96-5	Manganese	1050			PM
7439-97-6	Mercury	0.03	U		AV
7440-02-2	Nickel	15.0	U		PM
7440-09-7	Potassium	4560	B		PM
7782-49-2	Selenium	5.0	U	W	FM
7440-22-4	Silver	3.0	U		PM
7440-23-5	Sodium	28300			PM
7440-28-0	Thallium	1.0	U		FM
7440-62-2	Vanadium	2.0	U		PM
7440-66-6	Zinc	14.4	U		PM
	Cyanide	10.0	U		AS
	Sulfide	1000.0	U		T
	Sulfate	67100			AS
	Boron	825			PM

Color Before: —Colorless— Clarity Before: —Clear— Texture: _____
 Color After: —Colorless— Clarity After: —Clear— Artifacts: _____
 Comments: —SULFIDE SW846 METHODOLOGY—
 —SULFATE IEPA METHODOLOGY—

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0970000000 X101

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334858

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0507BK14

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. 26 Date Analyzed: 05/07/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
74-87-3-----	Chloromethane	14	UJ
74-83-9-----	Bromomethane	14	UJ
75-01-4-----	Vinyl Chloride	14	U
75-00-3-----	Chloroethane	14	UJ
75-09-2-----	Methylene Chloride	22	BU am
67-64-1-----	Acetone	14	U
75-15-0-----	Carbon Disulfide	14	U
75-35-4-----	1,1-Dichloroethene	14	U
75-34-3-----	1,1-Dichloroethane	14	U
540-59-0-----	1,2-Dichloroethene (total)	14	U
67-66-3-----	Chloroform	14	BU am
107-06-2-----	1,2-Dichloroethane	14	U
78-93-3-----	2-Butanone	14	U
71-55-6-----	1,1,1-Trichloroethane	14	U
56-23-5-----	Carbon Tetrachloride	14	U
75-27-4-----	Bromodichloromethane	14	U
78-87-5-----	1,2-Dichloropropane	14	U
10061-01-5-----	cis-1,3-Dichloropropene	14	U
79-01-6-----	Trichloroethene	14	U
124-48-1-----	Dibromochloromethane	14	U
79-00-5-----	1,1,2-Trichloroethane	14	U
71-43-2-----	Benzene	14	U
10061-02-6-----	trans-1,3-Dichloropropene	14	U
75-25-2-----	Bromoform	14	U
108-10-1-----	4-Methyl-2-Pentanone	14	UJ
591-78-6-----	2-Hexanone	14	UJ
127-18-4-----	Tetrachloroethene	14	UJ
79-34-5-----	1,1,2,2-Tetrachloroethane	14	UJ
108-88-3-----	Toluene	14	UJ
108-90-7-----	Chlorobenzene	14	UJ
100-41-4-----	Ethylbenzene	14	UJ
100-42-5-----	Styrene	14	UJ
1330-20-7-----	Xylene (total)	14	UJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334858

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0507BK14

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. 26 Date Analyzed: 05/07/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Name: ILLINOIS EPA

Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334858

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: C0528K04

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 05/28/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND			
108-95-2-----	Phenol	440	U	
111-44-4-----	bis(2-Chloroethyl) Ether	440	U	
95-57-8-----	2-Chlorophenol	440	U	
541-73-1-----	1,3-Dichlorobenzene	440	U	
106-46-7-----	1,4-Dichlorobenzene	440	U	
95-50-1-----	1,2-Dichlorobenzene	440	U	
95-48-7-----	2-Methylphenol	440	U	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	440	UJ	
106-44-5-----	4-Methylphenol	440	U	
621-64-7-----	N-Nitroso-Di-n-Propylamine	440	UJ	
67-72-1-----	Hexachloroethane	440	U	
98-95-3-----	Nitrobenzene	440	U	
78-59-1-----	Isophorone	440	U	
88-75-5-----	2-Nitrophenol	440	U	
105-67-9-----	2,4-Dimethylphenol	440	U	
111-91-1-----	bis(2-Chloroethoxy)Methane	440	U	
120-83-2-----	2,4-Dichlorophenol	440	U	
120-82-1-----	1,2,4-Trichlorobenzene	440	U	
91-20-3-----	Naphthalene	440	U	
106-47-8-----	4-Chloroaniline	440	UJ	
87-68-3-----	Hexachlorobutadiene	440	U	
59-50-7-----	4-Chloro-3-Methylphenol	440	U	
91-57-6-----	2-Methylnaphthalene	440	U	
77-47-4-----	Hexachlorocyclopentadiene	440	UJ	
88-06-2-----	2,4,6-Trichlorophenol	440	U	
95-95-4-----	2,4,5-Trichlorophenol	1100	U	
91-58-7-----	2-Chloronaphthalene	440	U	
88-74-4-----	2-Nitroaniline	1100	U	
131-11-3-----	Dimethylphthalate	440	U	
208-96-8-----	Acenaphthylene	440	U	
606-20-2-----	2,6-Dinitrotoluene	440	U	
99-09-2-----	3-Nitroaniline	1100	U	
83-32-9-----	Acenaphthene	440	U	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Name: ILLINOIS EPAContract: 0970000000X101Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853Matrix: (soil/water) SOIL Lab Sample ID: D334858Sample wt/vol: 30.3 (g/mL) G Lab File ID: C0528K04Level: (low/med) LOW Date Received: 05/06/93Moisture: 26 decanted: (Y/N) N Date Extracted: 05/07/93Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/28/93Injection Volume: 2.0(uL) Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 7.3CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	1100	WR	am
51-28-5-----	2,4-Dinitrophenol	1100	WR	
100-02-7-----	4-Nitrophenol	1100	UJ	
132-64-9-----	Dibenzofuran	440	U	
121-14-2-----	2,4-Dinitrotoluene	440	UJ	
84-66-2-----	Diethylphthalate	440	U	
7005-72-3-----	4-Chlorophenyl-phenylether	440	U	
86-73-7-----	Fluorene	440	U	
100-10-6-----	4-Nitroaniline	1100	UJ	
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U	
86-30-6-----	N-Nitrosodiphenylamine (1)	440	U	
101-55-3-----	4-Bromophenyl-phenylether	440	U	
118-74-1-----	Hexachlorobenzene	440	UJ	
87-86-5-----	Pentachlorophenol	1100	U	
85-01-8-----	Phenanthrene	280	J	
120-12-7-----	Anthracene	440	U	
86-74-8-----	Carbazole	440	U	
84-74-2-----	Di-n-Butylphthalate	760	BU	a.m
206-44-0-----	Fluoranthene	490		
129-00-0-----	Pyrene	420	J	
85-68-7-----	Butylbenzylphthalate	440	U	
91-94-1-----	3,3'-Dichlorobenzidine	440	U	
56-55-3-----	Benzo(a)Anthracene	180	J	
218-01-9-----	Chrysene	440	U	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	150	J	
117-84-0-----	Di-n-Octyl Phthalate	440	U	
205-99-2-----	Benzo(b)Fluoranthene	340	J	
207-08-9-----	Benzo(k)Fluoranthene	440	U	
50-32-8-----	Benzo(a)Pyrene	440	U	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	440	U	
53-70-3-----	Dibenz(a,h)Anthracene	440	U	
191-24-2-----	Benzo(g,h,i)Perylene	440	U	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Name: ILLINOIS EPA Contract: 0970000000

X101

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334858

Sample wt/vol: 30.3 (g/mL) G Lab File ID: C0528K04

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/28/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.38	1500	BJU am
~. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.03	42000	JNBAU am
.	UNKNOWN	8.40	500	BJU am
4.	UNKNOWN	11.19	5200	J
5.	UNKNOWN	12.32	1700	BJU am
6.	UNKNOWN ACID	20.65	760	BJU am
7.	UNKNOWN	33.39	2400	J
8.	UNKNOWN ALIP. HYDROCARBON	34.19	3200	J
9.	UNKNOWN ALIP. HYDROCARBON	37.81	7600	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA

Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334858

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: _____

% Moisture: 26 decanted: (Y/N) N

Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	2.3	UJ
319-85-7-----	beta-BHC	2.3	U
319-86-8-----	delta-BHC	2.3	UJ
58-89-9-----	gamma-BHC (Lindane)	2.3	UJ
76-44-8-----	Heptachlor	2.3	U
309-00-2-----	Aldrin	1.0	JP
1024-57-3-----	Heptachlor epoxide	0.62	J
959-98-8-----	Endosulfan I	2.3	U
60-57-1-----	Dieldrin	4.4	U
72-55-9-----	4,4'-DDE	4.6	PJ
72-20-8-----	Endrin	6.6	
33213-65-9-----	Endosulfan II	1.2	JP
50-29-3-----	4,4'-DDD	4.4	UJ
1031-07-8-----	Endosulfan sulfate	4.4	U
50-29-3-----	4,4'-DDT	6.4	PJ
72-43-5-----	Methoxychlor	23	UJ
53494-70-5-----	Endrin ketone	4.4	U
7421-36-3-----	Endrin aldehyde	4.4	U
5103-71-9-----	alpha-Chlordane	2.3	U
5103-74-2-----	gamma-Chlordane	1.2	J
8001-35-2-----	Toxaphene	230	U
12674-11-2-----	Aroclor-1016	44	U
11104-28-2-----	Aroclor-1221	90	U
11141-16-5-----	Aroclor-1232	44	U
53469-21-9-----	Aroclor-1242	44	U
12672-29-6-----	Aroclor-1248	44	U
11097-69-1-----	Aroclor-1254	43	JP
11096-82-5-----	Aroclor-1260	180	

INORGANIC ANALYSIS DATA SHEET

X101

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: —VACANT LOT MAYWOOD—
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: —91—
 Matrix (Soil): _____ Lab Sample ID: —B306605—
 Level (Low/Med): _____ Date Received: 05/06/93
 % Solids: —72.6—

Concentration Units (mg/kg dry weight): —————

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14900			P
7440-36-0	Antimony	15.1	U	N	P
7440-38-2	Arsenic	7.73			FM
7440-39-3	Barium	77.2			P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium	0.82	U		P
7440-70-2	Calcium	9710	*		P
7440-47-3	Chromium	22.5			P
7440-48-4	Cobalt	14.0	B		P
7440-50-8	Copper	33.2			P
7439-89-6	Iron	23500			P
7439-92-1	Lead	46.75			FM
7439-95-4	Magnesium	6740			P
7439-96-5	Manganese	758			P
7439-97-6	Mercury	0.070	B		AV
7440-02-2	Nickel	26.8			P
7440-09-7	Potassium	2700			P
7782-49-2	Selenium	0.28	U	W, N	FM
7440-22-4	Silver	0.82	U		P
7440-23-5	Sodium	67.9	B		P
7440-28-0	Thallium	0.44	B		FM
7440-62-2	Vanadium	29.1			P
7440-66-6	Zinc	124			P
	Cyanide	1.2	U		AS
	Boron	3.0	U		P

Color Before: —Black— Clarity Before: —Opaque— Texture: —Fine—

Color After: —Colorless— Clarity After: —Clear— Artifacts: —————

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102RE

Lab Name: ILLINOIS EPA Contract: 0970000000
 Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853
 Matrix: (soil/water) SOIL Lab Sample ID: D334859RE
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0511BK09
 Level: (low/med) LOW Date Received: 05/06/93
 % Moisture: not dec. 26 Date Analyzed: 05/11/93
 GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
74-87-3-----	Chloromethane	14	UJ
74-83-9-----	Bromomethane	14	UJ
75-01-4-----	Vinyl Chloride	14	U
75-00-3-----	Chloroethane	14	UJ
75-09-2-----	Methylene Chloride	38	u
67-64-1-----	Acetone	19	
75-15-0-----	Carbon Disulfide	14	U
75-35-4-----	1,1-Dichloroethene	14	U
75-34-3-----	1,1-Dichloroethane	14	U
540-59-0-----	1,2-Dichloroethene (total)	29	
67-66-3-----	Chloroform	3	J
107-06-2-----	1,2-Dichloroethane	14	U
78-93-3-----	2-Butanone	18	
71-55-6-----	1,1,1-Trichloroethane	14	UJ
56-23-5-----	Carbon Tetrachloride	14	UJ
75-27-4-----	Bromodichloromethane	14	UJ
78-87-5-----	1,2-Dichloropropane	14	UJ
10061-01-5-----	cis-1,3-Dichloropropene	14	UJ
79-01-6-----	Trichloroethene	540	EJ
124-48-1-----	Dibromochloromethane	14	UJ
79-00-5-----	1,1,2-Trichloroethane	14	UJ
71-43-2-----	Benzene	14	UJ
10061-02-6-----	trans-1,3-Dichloropropene	14	UJ
75-25-2-----	Bromoform	14	UJ
108-10-1-----	4-Methyl-2-Pentanone	14	UJ
591-78-6-----	2-Hexanone	14	UJ
127-18-4-----	Tetrachloroethene	3	J
79-34-5-----	1,1,2,2-Tetrachloroethane	14	UJ
108-88-3-----	Toluene	7	J
108-90-7-----	Chlorobenzene	14	UJ
100-41-4-----	Ethylbenzene	14	UJ
100-42-5-----	Styrene	14	UJ
1330-20-7-----	Xylene (total)	14	UJ

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ILLINOIS EPAContract: 0970000000X102RELab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853Matrix: (soil/water) SOILLab Sample ID: D334859RESample wt/vol: 5.0 (g/mL) GLab File ID: C0511BK09Level: (low/med) LOWDate Received: 05/06/93% Moisture: not dec. 26Date Analyzed: 05/11/93GC Column: DB-624 ID: 0.530 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-3	ETHYL ETHER	6.42	10	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0970000000

X102DL

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334859DL

Sample wt/vol: 2.0 (g/mL) G

Lab File ID: C0511BK04

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: not dec. 26

Date Analyzed: 05/11/93

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3-----	Chloromethane	34	UJ
74-83-9-----	Bromomethane	34	UJ
75-01-4-----	Vinyl Chloride	34	U
75-00-3-----	Chloroethane	34	UJ
75-09-2-----	Methylene Chloride	50	BU am
67-64-1-----	Acetone	19	J
75-15-0-----	Carbon Disulfide	34	U
75-35-4-----	1,1-Dichloroethene	34	U
75-34-3-----	1,1-Dichloroethane	34	U
540-59-0-----	1,2-Dichloroethene (total)	17 34	XJ am
67-66-3-----	Chloroform	34	U
107-06-2-----	1,2-Dichloroethane	34	U
78-93-3-----	2-Butanone	14	J
71-55-6-----	1,1,1-Trichloroethane	34	U
56-23-5-----	Carbon Tetrachloride	34	U
75-27-4-----	Bromodichloromethane	34	U
78-87-5-----	1,2-Dichloropropane	34	U
10061-01-5-----	cis-1,3-Dichloropropene	34	U
79-01-6-----	Trichloroethene	440	
124-48-1-----	Dibromochloromethane	34	U
79-00-5-----	1,1,2-Trichloroethane	34	U
71-43-2-----	Benzene	34	U
10061-02-6-----	trans-1,3-Dichloropropene	34	U
75-25-2-----	Bromoform	34	U
108-10-1-----	4-Methyl-2-Pentanone	34	UJ
591-78-6-----	2-Hexanone	34	UJ
127-18-4-----	Tetrachloroethene	34	UJ
79-34-5-----	1,1,2,2-Tetrachloroethane	34	UJ
108-88-3-----	Toluene	34	UJ
108-90-7-----	Chlorobenzene	34	UJ
100-41-4-----	Ethylbenzene	34	UJ
100-42-5-----	Styrene	34	UJ
1330-20-7-----	Xylene (total)	34	UJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0970000000

X102DL

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334859DL

Sample wt/vol: 2.0 (g/mL) G

Lab File ID: C0511BK04

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: not dec. 26

Date Analyzed: 05/11/93

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

I-n Name: ILLINOIS EPAContract: 0970000000X102L-C Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853Matrix: (soil/water) SOIL Lab Sample ID: D334859Sample wt/vol: 30.7 (g/mL) G Lab File ID: C0527E05Level: (low/med) LOW Date Received: 05/06/93Moisture: 26 decanted: (Y/N) N Date Extracted: 05/07/93Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/28/93Injection Volume: 2.0(uL) Dilution Factor: 1.0SPC Cleanup: (Y/N) Y pH: 8.5CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	Q
108-95-2-----	Phenol	440 U
111-44-4-----	bis(2-Chloroethyl)Ether	440 U
95-57-8-----	2-Chlorophenol	440 U
541-73-1-----	1,3-Dichlorobenzene	440 U
106-46-7-----	1,4-Dichlorobenzene	440 U
95-50-1-----	1,2-Dichlorobenzene	440 U
95-48-7-----	2-Methylphenol	440 U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	440 U
106-44-5-----	4-Methylphenol	440 U
621-64-7-----	N-Nitroso-Di-n-Propylamine	440 U
67-72-1-----	Hexachloroethane	440 U
98-95-3-----	Nitrobenzene	440 U
78-59-1-----	Isophorone	440 U
88-75-5-----	2-Nitrophenol	440 U
105-67-9-----	2,4-Dimethylphenol	440 U
111-91-1-----	bis(2-Chloroethoxy)Methane	440 U
120-83-2-----	2,4-Dichlorophenol	440 U
120-82-1-----	1,2,4-Trichlorobenzene	440 U
91-20-3-----	Naphthalene	440 U
106-47-8-----	4-Chloroaniline	440 UJ
87-68-3-----	Hexachlorobutadiene	440 U
59-50-7-----	4-Chloro-3-Methylphenol	440 U
91-57-6-----	2-Methylnaphthalene	440 U
77-47-4-----	Hexachlorocyclopentadiene	440 U
88-06-2-----	2,4,6-Trichlorophenol	440 U
95-95-4-----	2,4,5-Trichlorophenol	1100 U
91-58-7-----	2-Chloronaphthalene	440 U
88-74-4-----	2-Nitroaniline	1100 UJ
131-11-3-----	Dimethylphthalate	440 U
208-96-8-----	Acenaphthylene	440 U
606-20-2-----	2,6-Dinitrotoluene	440 U
99-09-2-----	3-Nitroaniline	1100 U
83-32-9-----	Acenaphthene	440 U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Name: ILLINOIS EPAContract: 0970000000Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853Matrix: (soil/water) SOILLab Sample ID: D334859Sample wt/vol: 30.7 (g/mL) GLab File ID: C0527E05Level: (low/med) LOWDate Received: 05/06/93% Moisture: 26 decanted: (Y/N) NDate Extracted: 05/07/93Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 05/28/93Injection Volume: 2.0(uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 8.5CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	1100 UJ
100-02-7-----	4-Nitrophenol	1100 JR
132-64-9-----	Dibenzofuran	440 U
121-14-2-----	2,4-Dinitrotoluene	440 U
84-66-2-----	Diethylphthalate	440 U
7005-72-3-----	4-Chlorophenyl-phenylether	440 U
86-73-7-----	Fluorene	440 U
100-10-6-----	4-Nitroaniline	1100 JR
534-52-1-----	4,6-Dinitro-2-methylphenol	1100 U
86-30-6-----	N-Nitrosodiphenylamine (1)	440 U
101-55-3-----	4-Bromophenyl-phenylether	440 U
118-74-1-----	Hexachlorobenzene	440 UJ
87-86-5-----	Pentachlorophenol	1100 U
85-01-8-----	Phenanthrene	250 J
120-12-7-----	Anthracene	440 U
86-74-8-----	Carbazole	440 U
84-74-2-----	Di-n-Butylphthalate	750 BU
206-44-0-----	Fluoranthene	270 J
129-00-0-----	Pyrene	290 J
85-68-7-----	Butylbenzylphthalate	440 U
91-94-1-----	3,3'-Dichlorobenzidine	440 U
56-55-3-----	Benzo(a)Anthracene	190 J
218-01-9-----	Chrysene	440 U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	200 J
117-84-0-----	Di-n-Octyl Phthalate	440 U
205-99-2-----	Benzo(b)Fluoranthene	440 U
207-08-9-----	Benzo(k)Fluoranthene	440 U
50-32-8-----	Benzo(a)Pyrene	440 U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	440 U
53-70-3-----	Dibenz(a,h)Anthracene	440 U
191-24-2-----	Benzo(g,h,i)Perylene	440 U

am

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Name: ILLINOIS EPA

Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334859

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: C0527E05

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 05/28/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5

CONCENTRATION UNITS:

Number TICs found: 23

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.15	34000	JINBAU An
2.	UNKNOWN ALIP. HYDROCARBON	29.82	520	J
4.	UNKNOWN ALIP. HYDROCARBON	30.12	370	J
5.	UNKNOWN ALIP. HYDROCARBON	30.71	380	J
6.	UNKNOWN ALIP. HYDROCARBON	31.04	200	J
7.	UNKNOWN ALIP. HYDROCARBON	31.31	300	J
8.	UNKNOWN ALIP. HYDROCARBON	31.57	69	J
9.	UNKNOWN ALIP. HYDROCARBON	31.71	200	J
10.	UNKNOWN ALIP. HYDROCARBON	31.94	290	J
11.	UNKNOWN ALIP. HYDROCARBON	32.07	280	J
12.	UNKNOWN ALIP. HYDROCARBON	32.87	140	J
13.	UNKNOWN ALIP. HYDROCARBON	33.06	310	J
14.	UNKNOWN ALIP. HYDROCARBON	33.27	290	J
15.	UNKNOWN ALIP. HYDROCARBON	33.52	220	J
16.	UNKNOWN ALIP. HYDROCARBON	33.72	8	J
17.	UNKNOWN ALIP. HYDROCARBON	33.77	130	J
18.	UNKNOWN ALIP. HYDROCARBON	33.87	200	J
19.	UNKNOWN ALIP. HYDROCARBON	34.04	790	J
20.	UNKNOWN ALIP. HYDROCARBON	34.26	400	J
21.	UNKNOWN ALIP. HYDROCARBON	34.34	95	J
22.	UNKNOWN ALIP. HYDROCARBON	34.36	100	J
23.	UNKNOWN ALIP. HYDROCARBON	34.69	860	J
	UNKNOWN ALIP. HYDROCARBON	35.56	680	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0970000000

X102

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853
 Matrix: (soil/water) SOIL Lab Sample ID: D334859
 Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____
 % Moisture: 26 decanted: (Y/N) N Date Received: 05/06/93
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/93
 Injection Volume: 2.00 (uL) Dilution Factor: 1.00
 GPC Cleanup: (Y/N) Y pH: 8.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	2.3	UJ
319-85-7-----	beta-BHC	2.3	U
319-86-8-----	delta-BHC	2.3	UJ
58-89-9-----	gamma-BHC (Lindane)	2.3	UJ
76-44-8-----	Heptachlor	2.3	U
309-00-2-----	Aldrin	66	
1024-57-3-----	Heptachlor epoxide	27	P
959-98-8-----	Endosulfan I	2.3	U
60-57-1-----	Dieldrin	4.4	U
72-55-9-----	4,4'-DDE	4.4	UJ
72-20-8-----	Endrin	4.4	U
33213-65-9-----	Endosulfan II	4.4	U
50-29-3-----	4,4'-DDD	4.4	UJ
1031-07-8-----	Endosulfan sulfate	5.5	
50-29-3-----	4,4'-DDT	4.4	UJ
72-43-5-----	Methoxychlor	18	JP
53494-70-5-----	Endrin ketone	4.4	U
7421-36-3-----	Endrin aldehyde	4.4	U
5103-71-9-----	alpha-Chlordane	2.3	U
5103-74-2-----	gamma-Chlordane	22	P
8001-35-2-----	Toxaphene	230	U
12674-11-2-----	Aroclor-1016	44	U
11104-28-2-----	Aroclor-1221	90	U
11141-16-5-----	Aroclor-1232	44	U
53469-21-9-----	Aroclor-1242	44	U
12672-29-6-----	Aroclor-1248	44	U
11097-69-1-----	Aroclor-1254	1500	P
11096-82-5-----	Aroclor-1260	1100	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102DL

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334859D

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 26 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/93

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	23	UJ
319-85-7-----	beta-BHC	23	U
319-86-8-----	delta-BHC	23	UJ
58-89-9-----	gamma-BHC (Lindane)	23	UJ
76-44-8-----	Heptachlor	23	U
309-00-2-----	Aldrin	75	D
1024-57-3-----	Heptachlor epoxide	37	D
959-98-8-----	Endosulfan I	23	U
60-57-1-----	Dieldrin	44	U
72-55-9-----	4,4'-DDE	44	UJ
72-20-8-----	Endrin	44	U
33213-65-9-----	Endosulfan II	44	U
50-29-3-----	4,4'-DDD	44	UJ
1031-07-8-----	Endosulfan sulfate	2.7	JD
50-29-3-----	4,4'-DDT	88	PDJ
72-43-5-----	Methoxychlor	230	UJ
53494-70-5-----	Endrin ketone	44	U
7421-36-3-----	Endrin aldehyde	44	U
5103-71-9-----	alpha-Chlordane	23	U
5103-74-2-----	gamma-Chlordane	24	PD
8001-35-2-----	Toxaphene	2300	U
12674-11-2-----	Aroclor-1016	440	U
11104-28-2-----	Aroclor-1221	900	U
11141-16-5-----	Aroclor-1232	440	U
53469-21-9-----	Aroclor-1242	440	U
12672-29-6-----	Aroclor-1248	440	U
11097-69-1-----	Aroclor-1254	1800	PD
11096-82-5-----	Aroclor-1260	770 380	PD

INORGANIC ANALYSIS DATA SHEET

X102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: VACANT LOT MAYWOOD
 Lab Code: Case No.: SAS No.: SDG No.: 91
 Matrix (Soil): Lab Sample ID: B306606
 Level (Low/Med): Date Received: 05/06/93
 % Solids: -75.0-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17000			P
7440-36-0	Antimony	14.2	U	N	P
7440-38-2	Arsenic	23.208	5.82		FM
7440-39-3	Barium	384			P
7440-41-7	Beryllium	54.9			P
7440-43-9	Cadmium	35.8			P
7440-70-2	Calcium	17500	*		P
7440-47-3	Chromium	228			P
7440-48-4	Cobalt	44.0			P
7440-50-8	Copper	38600			P
7439-89-6	Iron	60000			P
7439-92-1	Lead	12600		*	P
7439-95-4	Magnesium	6130			P
7439-96-5	Manganese	2540			P
7439-97-6	Mercury	1.13			AV
7440-02-2	Nickel	760			P
7440-09-7	Potassium	469	B		P
7782-49-2	Selenium	4.06		N	FM
7440-22-4	Silver	9.9			P
7440-23-5	Sodium	2660			P
7440-28-0	Thallium	1.26	U		FM
7440-62-2	Vanadium	24.4			P
7440-66-6	Zinc	99000			P
	Cyanide	1.1	U		AS
	Boron	1040			P

Color Before: -Black Clarity Before: -Opaque Texture: -Fine-

Color After: -Yellow Clarity After: -Clear Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103RE

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334860RE

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C0510BK08

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: not dec. 34

Date Analyzed: 05/10/93

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>74-87-3-----Chloromethane</u>	<u>15</u>	<u>UJ</u>	amv
<u>74-83-9-----Bromomethane</u>	<u>15</u>	<u>U</u>	
<u>75-01-4-----Vinyl Chloride</u>	<u>15</u>	<u>U</u>	
<u>75-00-3-----Chloroethane</u>	<u>15</u>	<u>UJ</u>	
<u>75-09-2-----Methylene Chloride</u>	<u>25</u>	<u>Bu</u>	
<u>67-64-1-----Acetone</u>	<u>15</u>	<u>U</u>	
<u>75-15-0-----Carbon Disulfide</u>	<u>15</u>	<u>U</u>	
<u>75-35-4-----1,1-Dichloroethene</u>	<u>15</u>	<u>U</u>	
<u>75-34-3-----1,1-Dichloroethane</u>	<u>15</u>	<u>U</u>	
<u>540-59-0-----1,2-Dichloroethene (total)</u>	<u>15</u>	<u>U</u>	
<u>67-66-3-----Chloroform</u>	<u>15</u>	<u>U</u>	
<u>107-06-2-----1,2-Dichloroethane</u>	<u>15</u>	<u>U</u>	
<u>78-93-3-----2-Butanone</u>	<u>15</u>	<u>U</u>	
<u>71-55-6-----1,1,1-Trichloroethane</u>	<u>15</u>	<u>UJ</u>	
<u>56-23-5-----Carbon Tetrachloride</u>	<u>15</u>	<u>UJ</u>	
<u>75-27-4-----Bromodichloromethane</u>	<u>15</u>	<u>UJ</u>	
<u>78-87-5-----1,2-Dichloropropane</u>	<u>15</u>	<u>UJ</u>	
<u>10061-01-5-----cis-1,3-Dichloropropene</u>	<u>15</u>	<u>UJ</u>	
<u>79-01-6-----Trichloroethene</u>	<u>15</u>	<u>UJ</u>	
<u>124-48-1-----Dibromochloromethane</u>	<u>15</u>	<u>UJ</u>	
<u>79-00-5-----1,1,2-Trichloroethane</u>	<u>15</u>	<u>UJ</u>	
<u>71-43-2-----Benzene</u>	<u>15</u>	<u>UJ</u>	
<u>10061-02-6-----trans-1,3-Dichloropropene</u>	<u>15</u>	<u>UJ</u>	
<u>75-25-2-----Bromoform</u>	<u>15</u>	<u>UJ</u>	
<u>108-10-1-----4-Methyl-2-Pentanone</u>	<u>15</u>	<u>UJ</u>	
<u>591-78-6-----2-Hexanone</u>	<u>15</u>	<u>UJ</u>	
<u>127-18-4-----Tetrachloroethene</u>	<u>15</u>	<u>UJ</u>	
<u>79-34-5-----1,1,2,2-Tetrachloroethane</u>	<u>15</u>	<u>UJ</u>	
<u>108-88-3-----Toluene</u>	<u>15</u>	<u>UJ</u>	
<u>108-90-7-----Chlorobenzene</u>	<u>15</u>	<u>UJ</u>	
<u>100-41-4-----Ethylbenzene</u>	<u>15</u>	<u>UJ</u>	
<u>100-42-5-----Styrene</u>	<u>15</u>	<u>UJ</u>	
<u>1330-20-7-----Xylene (total)</u>	<u>15</u>	<u>UJ</u>	

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103RE

b Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>		
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____	SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334860RE</u>		
Sample wt/vol: <u>5.0</u> (g/mL) <u>G</u>	Lab File ID: <u>C0510BK08</u>		
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>		
% Moisture: not dec. <u>34</u>	Date Analyzed: <u>05/10/93</u>		
GC Column: <u>DB-624</u>	ID: <u>0.530</u> (mm)	Dilution Factor: <u>1.0</u>	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)		

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X103

Name: ILLINOIS EPAContract: 0970000000Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853Matrix: (soil/water) SOILLab Sample ID: D334860Sample wt/vol: 30.2 (g/mL) GLab File ID: B0605E09Level: (low/med) LOWDate Received: 05/06/93% Moisture: 34 decanted: (Y/N) NDate Extracted: 05/07/93Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 06/05/93Injection Volume: 2.0(uL)Dilution Factor: 2.0GPC Cleanup: (Y/N) Y pH: 7.6CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
108-95-2-----	Phenol	990	U
111-44-4-----	bis(2-Chloroethyl) Ether	990	U
95-57-8-----	2-Chlorophenol	990	U
541-73-1-----	1,3-Dichlorobenzene	990	U
106-46-7-----	1,4-Dichlorobenzene	990	U
95-50-1-----	1,2-Dichlorobenzene	990	U
95-48-7-----	2-Methylphenol	990	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	990	U
106-44-5-----	4-Methylphenol	990	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	990	U
67-72-1-----	Hexachloroethane	990	U
98-95-3-----	Nitrobenzene	990	U
78-59-1-----	Isophorone	990	U
88-75-5-----	2-Nitrophenol	990	U
105-67-9-----	2,4-Dimethylphenol	990	U
111-91-1-----	bis(2-Chloroethoxy)Methane	990	U
120-83-2-----	2,4-Dichlorophenol	990	U
120-82-1-----	1,2,4-Trichlorobenzene	990	U
91-20-3-----	Naphthalene	250	J
106-47-8-----	4-Chloroaniline	990	U
87-68-3-----	Hexachlorobutadiene	990	U
59-50-7-----	4-Chloro-3-Methylphenol	990	U
91-57-6-----	2-Methylnaphthalene	460	J
77-47-4-----	Hexachlorocyclopentadiene	990	U
88-06-2-----	2,4,6-Trichlorophenol	990	U
95-95-4-----	2,4,5-Trichlorophenol	2400	U
91-58-7-----	2-Chloronaphthalene	990	U
88-74-4-----	2-Nitroaniline	2400	U
131-11-3-----	Dimethylphthalate	990	U
208-96-8-----	Acenaphthylene	330	J
606-20-2-----	2,6-Dinitrotoluene	990	U
99-09-2-----	3-Nitroaniline	2400	UJ
83-32-9-----	Acenaphthene	990	U

SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

X103

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334860

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B0605E09

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: 34 decanted: (Y/N) N Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/05/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

<u>51-28-5-----2,4-Dinitrophenol</u>	<u>2400</u>	<u>U</u>	
<u>100-02-7-----4-Nitrophenol</u>	<u>2400</u>	<u>U</u>	
<u>132-64-9-----Dibenzofuran</u>	<u>990</u>	<u>U</u>	
<u>121-14-2-----2,4-Dinitrotoluene</u>	<u>990</u>	<u>U</u>	
<u>84-66-2-----Diethylphthalate</u>	<u>990</u>	<u>U</u>	
<u>7005-72-3-----4-Chlorophenyl-phenylether</u>	<u>990</u>	<u>U</u>	
<u>86-73-7-----Fluorene</u>	<u>990</u>	<u>U</u>	
<u>100-10-6-----4-Nitroaniline</u>	<u>2400</u>	<u>JR</u>	
<u>534-52-1-----4,6-Dinitro-2-methylphenol</u>	<u>2400</u>	<u>U</u>	
<u>86-30-6-----N-Nitrosodiphenylamine (1)</u>	<u>990</u>	<u>UJ</u>	
<u>101-55-3-----4-Bromophenyl-phenylether</u>	<u>990</u>	<u>U</u>	
<u>118-74-1-----Hexachlorobenzene</u>	<u>990</u>	<u>U</u>	
<u>87-86-5-----Pentachlorophenol</u>	<u>2400</u>	<u>U</u>	
<u>85-01-8-----Phenanthrene</u>	<u>3600</u>		
<u>120-12-7-----Anthracene</u>	<u>320</u>	<u>J</u>	
<u>86-74-8-----Carbazole</u>	<u>990</u>	<u>U</u>	
<u>84-74-2-----Di-n-Butylphthalate</u>	<u>990</u>	<u>BJU</u>	<u>a.m.</u>
<u>206-44-0-----Fluoranthene</u>	<u>4000</u>		
<u>129-00-0-----Pyrene</u>	<u>3700</u>		
<u>85-68-7-----Butylbenzylphthalate</u>	<u>990</u>	<u>U</u>	
<u>91-94-1-----3,3'-Dichlorobenzidine</u>	<u>990</u>	<u>U</u>	
<u>56-55-3-----Benzo(a)Anthracene</u>	<u>2300</u>		
<u>218-01-9-----Chrysene</u>	<u>2800</u>		
<u>117-81-7-----bis(2-Ethylhexyl)Phthalate</u>	<u>990</u>	<u>U</u>	
<u>117-84-0-----Di-n-Octyl Phthalate</u>	<u>990</u>	<u>UJ</u>	
<u>205-99-2-----Benzo(b)Fluoranthene</u>	<u>3400</u>		
<u>207-08-9-----Benzo(k)Fluoranthene</u>	<u>2400</u>		
<u>50-32-8-----Benzo(a)Pyrene</u>	<u>2400</u>		
<u>193-39-5-----Indeno(1,2,3-cd)Pyrene</u>	<u>990</u>	<u>U</u>	
<u>53-70-3-----Dibenz(a,h)Anthracene</u>	<u>990</u>	<u>U</u>	
<u>191-24-2-----Benzo(g,h,i)Perylene</u>	<u>990</u>	<u>U</u>	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Name: ILLINOIS EPA

Contract: 0970000000

X103

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334860

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: B0605E09

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 06/05/93

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:

Number TICs found: 29

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.87	25000	JNBAU am
2.	UNKNOWN	12.35	3900	J
4.	UNKNOWN ALIP. HYDROCARBON	24.29	3600	JN
5.	UNKNOWN	29.36	220	J
6.	UNKNOWN ALIP. HYDROCARBON	30.12	540	J
7.	UNKNOWN BENZO FLUORENE	31.11	1200	J
8.	UNKNOWN	31.41	510	J
9.	UNKNOWN	31.69	580	J
10.	UNKNOWN	31.79	270	J
11.	UNKNOWN ALIP. HYDROCARBON	32.17	540	J
12.	UNKNOWN ALIP. KETONE	32.64	960	AJ
13.	UNKNOWN	32.94	460	J
14.	UNKNOWN	33.02	450	J
15.	UNKNOWN	33.11	450	J
16.	UNKNOWN ALIP. HDYROCARBON	33.14	1100	J
17.	UNKNOWN ALIP. KETONE	33.22	500	AJ
18.	UNKNOWN ALIP. HYDROCARBON	33.29	550	J
19.	UNKNOWN	34.04	360	J
20.	UNKNOWN ALIP. HYDROCARBON	34.11	600	J
21.	UNKNOWN	34.26	120	J
22.	UNKNOWN	34.41	180	J
23.	UNKNOWN	34.74	260	J
24.	UNKNOWN	35.01	730	J
25.	UNKNOWN	35.16	340	J
26.	UNKNOWN ALIP. HYDROCARBON	35.19	2000	J
27.	UNKNOWN ALIP. HYDROCARBON	36.46	610	J
28.	UNKNOWN ALIP. HYDROCARBON	37.94	6500	J
29.	UNKNOWN BENZO FLUORANTHENE	38.97	5500	J
	UNKNOWN ALIP. HYDROCARBON	41.84	9100	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0970000000

X103

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334860

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 34 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	2.6	UJ
319-85-7-----	beta-BHC	2.6	U
319-86-8-----	delta-BHC	2.6	UJ
58-89-9-----	gamma-BHC (Lindane)	2.6	UJ
76-44-8-----	Heptachlor	2.6	U
309-00-2-----	Aldrin	67	
1024-57-3-----	Heptachlor epoxide	2.6	U
959-98-8-----	Endosulfan I	2.6	U
60-57-1-----	Dieldrin	16	P
72-55-9-----	4,4'-DDE	5.0	UJ
72-20-8-----	Endrin	170	
33213-65-9-----	Endosulfan II	59	
50-29-3-----	4,4'-DDD	5.0	UJ
1031-07-8-----	Endosulfan sulfate	5.0	U
50-29-3-----	4,4'-DDT	180	PJ
72-43-5-----	Methoxychlor	240	PJ
53494-70-5-----	Endrin ketone	5.0	U
7421-36-3-----	Endrin aldehyde	5.0	U
5103-71-9-----	alpha-Chlordane	2.6	U
5103-74-2-----	gamma-Chlordane	41	
8001-35-2-----	Toxaphene	260	U
12674-11-2-----	Aroclor-1016	50	U
11104-28-2-----	Aroclor-1221	100	U
11141-16-5-----	Aroclor-1232	50	U
53469-21-9-----	Aroclor-1242	50	U
12672-29-6-----	Aroclor-1248	50	U
11097-69-1-----	Aroclor-1254	2500	
11096-82-5-----	Aroclor-1260	4900	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103DL

Lab Name: ILLINOIS EPA Contract: 0970000000
 Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853
 Matrix: (soil/water) SOIL Lab Sample ID: D334860D
 Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____
 % Moisture: 34 decanted: (Y/N) N Date Received: 05/06/93
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/21/93
 Injection Volume: 2.00 (uL) Dilution Factor: 10.0
 GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	7.2	JD
319-85-7-----	beta-BHC	26	U
319-86-8-----	delta-BHC	26	UJ
58-89-9-----	gamma-BHC (Lindane)	26	UJ
76-44-8-----	Heptachlor	26	U
309-00-2-----	Aldrin	75	D
1024-57-3-----	Heptachlor epoxide	26	U
959-98-8-----	Endosulfan I	26	U
60-57-1-----	Dieldrin	50	U
72-55-9-----	4,4'-DDE	50	U
72-20-8-----	Endrin	50	U
33213-65-9-----	Endosulfan II	120	PD
50-29-3-----	4,4'-DDD	50	U
1031-07-8-----	Endosulfan sulfate	240	PD
50-29-3-----	4,4'-DDT	180	D
72-43-5-----	Methoxychlor	250	JD
53494-70-5-----	Endrin ketone	50	U
7421-36-3-----	Endrin aldehyde	50	U
5103-71-9-----	alpha-Chlordane	26	U
5103-74-2-----	gamma-Chlordane	25	JD
8001-35-2-----	Toxaphene	2600	U
12674-11-2-----	Aroclor-1016	500	U
11104-28-2-----	Aroclor-1221	1000	U
11141-16-5-----	Aroclor-1232	500	U
53469-21-9-----	Aroclor-1242	500	U
12672-29-6-----	Aroclor-1248	500	U
11097-69-1-----	Aroclor-1254	2100	PD
11096-82-5-----	Aroclor-1260	5400	PD

INORGANIC ANALYSIS DATA SHEET

X103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: VACANT LOT MAYWOOD
 Lab Code: Case No.: SAS No.: SDG No.: 91
 Matrix (Soil): Lab Sample ID: B306607
 Level (Low/Med): Date Received: 05/06/93
 % Solids: -68.7-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6890			P
7440-36-0	Antimony	16.0	U	N	P
7440-38-2	Arsenic	485			FM
7440-39-3	Barium	120			P
7440-41-7	Beryllium	2.1			P
7440-43-9	Cadmium	6.6			P
7440-70-2	Calcium	42400		*	P
7440-47-3	Chromium	32.3			P
7440-48-4	Cobalt	22.9			P
7440-50-8	Copper	910			P
7439-89-6	Iron	39100			P
7439-92-1	Lead	558		*	P
7439-95-4	Magnesium	20900			P
7439-96-5	Manganese	539			P
7439-97-6	Mercury	0.66			AV
7440-02-2	Nickel	46.9			P
7440-09-7	Potassium	1110	B		P
7782-49-2	Selenium	1.5	U	W, N	FM
7440-22-4	Silver	3.3			P
7440-23-5	Sodium	400	B		P
7440-28-0	Thallium	0.30	U		FM
7440-62-2	Vanadium	26.1			P
7440-66-6	Zinc	1970			P
	Cyanide	1.2	U		AS
	Boron	38.2			P

Color Before: -Black- Clarity Before: -Opaque- Texture: -Fine-
 Color After: -Brown- Clarity After: -Clear- Artifacts:
 Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA

Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334861

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C0510BK05

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: not dec. 23

Date Analyzed: 05/10/93

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

74-87-3-----	<u>Chloromethane</u>	13	UJ	arw
74-83-9-----	<u>Bromomethane</u>	13	U	
75-01-4-----	<u>Vinyl Chloride</u>	13	U	
75-00-3-----	<u>Chloroethane</u>	13	UJ	
75-09-2-----	<u>Methylene Chloride</u>	21	PU	
67-64-1-----	<u>Acetone</u>	13	U	
75-15-0-----	<u>Carbon Disulfide</u>	13	U	
75-35-4-----	<u>1,1-Dichloroethene</u>	13	U	
75-34-3-----	<u>1,1-Dichloroethane</u>	13	U	
540-59-0-----	<u>1,2-Dichloroethene (total)</u>	13	U	
67-66-3-----	<u>Chloroform</u>	13	U	
107-06-2-----	<u>1,2-Dichloroethane</u>	13	U	
78-93-3-----	<u>2-Butanone</u>	13	U	
71-55-6-----	<u>1,1,1-Trichloroethane</u>	13	UJ	
56-23-5-----	<u>Carbon Tetrachloride</u>	13	UJ	
75-27-4-----	<u>Bromodichloromethane</u>	13	UJ	
78-87-5-----	<u>1,2-Dichloropropane</u>	13	UJ	
10061-01-5-----	<u>cis-1,3-Dichloropropene</u>	13	UJ	
79-01-6-----	<u>Trichloroethene</u>	13	UJ	
124-48-1-----	<u>Dibromochloromethane</u>	13	UJ	
79-00-5-----	<u>1,1,2-Trichloroethane</u>	13	UJ	
71-43-2-----	<u>Benzene</u>	13	UJ	
10061-02-6-----	<u>trans-1,3-Dichloropropene</u>	13	UJ	
75-25-2-----	<u>Bromoform</u>	13	UJ	
108-10-1-----	<u>4-Methyl-2-Pentanone</u>	13	UJ	
591-78-6-----	<u>2-Hexanone</u>	13	UJ	
127-18-4-----	<u>Tetrachloroethene</u>	13	UJ	
79-34-5-----	<u>1,1,2,2-Tetrachloroethane</u>	13	UJ	
108-88-3-----	<u>Toluene</u>	13	UJ	
108-90-7-----	<u>Chlorobenzene</u>	13	UJ	
100-41-4-----	<u>Ethylbenzene</u>	13	UJ	
100-42-5-----	<u>Styrene</u>	13	UJ	
1330-20-7-----	<u>Xylene (total)</u>	13	UJ	

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334861</u>	
Sample wt/vol: <u>5.0</u> (g/mL) <u>G</u>	Lab File ID: <u>C0510BK05</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>	
% Moisture: not dec. <u>23</u>	Date Analyzed: <u>05/10/93</u>	
GC Column: <u>DB-624</u>	ID: <u>0.530</u> (mm)	Dilution Factor: <u>1.0</u>
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA

Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334861

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: C0528K05

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: 23 decanted: (Y/N) N

Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 05/28/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	Q
108-95-2-----	Phenol	420 U
111-44-4-----	bis(2-Chloroethyl) Ether	420 U
95-57-8-----	2-Chlorophenol	420 U
541-73-1-----	1,3-Dichlorobenzene	420 U
106-46-7-----	1,4-Dichlorobenzene	420 U
95-50-1-----	1,2-Dichlorobenzene	420 U
95-48-7-----	2-Methylphenol	420 U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	420 UJ
106-44-5-----	4-Methylphenol	420 U
621-64-7-----	N-Nitroso-Di-n-Propylamine	420 UJ
67-72-1-----	Hexachloroethane	420 U
98-95-3-----	Nitrobenzene	420 U
78-59-1-----	Isophorone	420 U
88-75-5-----	2-Nitrophenol	420 U
105-67-9-----	2,4-Dimethylphenol	420 U
111-91-1-----	bis(2-Chloroethoxy) Methane	420 U
120-83-2-----	2,4-Dichlorophenol	420 U
120-82-1-----	1,2,4-Trichlorobenzene	420 U
91-20-3-----	Naphthalene	420 U
106-47-8-----	4-Chloroaniline	420 UJ
87-68-3-----	Hexachlorobutadiene	420 U
59-50-7-----	4-Chloro-3-Methylphenol	420 U
91-57-6-----	2-Methylnaphthalene	420 U
77-47-4-----	Hexachlorocyclopentadiene	420 UJ
88-06-2-----	2,4,6-Trichlorophenol	420 U
95-95-4-----	2,4,5-Trichlorophenol	1000 U
91-58-7-----	2-Chloronaphthalene	420 U
88-74-4-----	2-Nitroaniline	1000 U
131-11-3-----	Dimethylphthalate	420 U
208-96-8-----	Acenaphthylene	420 U
606-20-2-----	2,6-Dinitrotoluene	420 U
99-09-2-----	3-Nitroaniline	1000 U
83-32-9-----	Acenaphthene	420 U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334861

Sample wt/vol: 30.3 (g/mL) G Lab File ID: C0528K05

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/28/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	1000	JK	am
51-28-5-----	2,4-Dinitrophenol	1000	JK	
100-02-7-----	4-Nitrophenol	1000	UJ	
132-64-9-----	Dibenzofuran	420	U	
121-14-2-----	2,4-Dinitrotoluene	420	UJ	
84-66-2-----	Diethylphthalate	420	U	
7005-72-3-----	4-Chlorophenyl-phenylether	420	U	
86-73-7-----	Fluorene	420	U	
100-10-6-----	4-Nitroaniline	1000	UJ	
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U	
86-30-6-----	N-Nitrosodiphenylamine (1)	420	U	
101-55-3-----	4-Bromophenyl-phenylether	420	U	
118-74-1-----	Hexachlorobenzene	420	UJ	
87-86-5-----	Pentachlorophenol	1000	U	
85-01-8-----	Phenanthrene	180	J	
120-12-7-----	Anthracene	420	U	
86-74-8-----	Carbazole	420	U	
84-74-2-----	Di-n-Butylphthalate	690	JK	am
206-44-0-----	Fluoranthene	190	J	
129-00-0-----	Pyrene	260	J	
85-68-7-----	Butylbenzylphthalate	420	U	
91-94-1-----	3,3'-Dichlorobenzidine	420	U	
56-55-3-----	Benzo(a)Anthracene	420	U	
218-01-9-----	Chrysene	420	U	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	420	U	
117-84-0-----	Di-n-Octyl Phthalate	420	U	
205-99-2-----	Benzo(b)Fluoranthene	490		
207-08-9-----	Benzo(k)Fluoranthene	420	U	
50-32-8-----	Benzo(a)Pyrene	230	J	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	420	U	
53-70-3-----	Dibenz(a,h)Anthracene	420	U	
191-24-2-----	Benzo(g,h,i)Perylene	420	U	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Name: ILLINOIS EPA

Contract: 0970000000

X104

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334861

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: C0528K05

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: 23 decanted: (Y/N) N

Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 05/28/93

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

Number TICs found: 27

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.05	44000	JNBAL am
	UNKNOWN	11.20	5000	J
-	UNKNOWN	12.34	2300	B7U am
4.	UNKNOWN ALIP. HYDROCARBON	29.82	630	J
5.	UNKNOWN ALIP. HYDROCARBON	30.69	480	J
6.	UNKNOWN	31.02	420	J
7.	UNKNOWN ALIP. HYDROCARBON	31.29	450	J
8.	UNKNOWN	31.52	260	J
9.	UNKNOWN	31.59	990	J
10.	UNKNOWN ALIP. HYDROCARBON	31.71	310	J
11.	UNKNOWN	31.79	16	J
12.	UNKNOWN	31.94	250	J
13.	UNKNOWN	32.06	490	J
14.	UNKNOWN	32.87	270	J
15.	UNKNOWN	32.97	290	J
16.	UNKNOWN	33.01	360	J
17.	UNKNOWN	33.04	290	J
18.	UNKNOWN	33.19	74	J
19.	UNKNOWN	33.27	260	J
20.	UNKNOWN-	33.47	140	J
21.	UNKNOWN	33.86	280	J
22.	UNKNOWN	34.04	1100	J
23.	UNKNOWN	34.12	190	J
24.	UNKNOWN	34.24	410	J
25.	UNKNOWN	34.66	860	J
26.	UNKNOWN	34.71	370	J
-	UNKNOWN	35.16	580	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	<u>X104</u>
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334861</u>	
Sample wt/vol: <u>30.2</u> (g/mL) <u>G</u>	Lab File ID: _____	
% Moisture: <u>23</u> decanted: (Y/N) <u>N</u>	Date Received: <u>05/06/93</u>	
Extraction: (SepF/Cont/Sonc) <u>SONC</u>	Date Extracted: <u>05/12/93</u>	
Concentrated Extract Volume: <u>5000</u> (uL)	Date Analyzed: <u>05/22/93</u>	
Injection Volume: <u>2.00</u> (uL)	Dilution Factor: <u>1.00</u>	
GPC Cleanup: (Y/N) <u>Y</u>	Sulfur Cleanup: (Y/N) <u>N</u>	
CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>		
CAS NO.	COMPOUND	Q
319-84-6-----	alpha-BHC	2.2 UJ
319-85-7-----	beta-BHC	2.2 U
319-86-8-----	delta-BHC	2.2 UJ
58-89-9-----	gamma-BHC (Lindane)	2.2 UJ
76-44-8-----	Heptachlor	2.2 U
309-00-2-----	Aldrin	24
1024-57-3-----	Heptachlor epoxide	2.2 U
959-98-8-----	Endosulfan I	2.2 U
60-57-1-----	Dieldrin	3.7 J
72-55-9-----	4,4'-DDE	4.3 UJ
72-20-8-----	Endrin	4.3 U
33213-65-9-----	Endosulfan II	5.7 6.6 am
50-29-3-----	4,4'-DDD	4.3 UJ
1031-07-8-----	Endosulfan sulfate	4.3 U
50-29-3-----	4,4'-DDT	8.9 PJ
72-43-5-----	Methoxychlor	22 UJ
53494-70-5-----	Endrin ketone	4.3 U
7421-36-3-----	Endrin aldehyde	4.3 U
5103-71-9-----	alpha-Chlordane	2.2 U
5103-74-2-----	gamma-Chlordane	3.3 P
8001-35-2-----	Toxaphene	220 U
12674-11-2-----	Aroclor-1016	43 U
11104-28-2-----	Aroclor-1221	86 U
11141-16-5-----	Aroclor-1232	120 P
53469-21-9-----	Aroclor-1242	230 P
12672-29-6-----	Aroclor-1248	43 U
11097-69-1-----	Aroclor-1254	400 P
11096-82-5-----	Aroclor-1260	510 520 am

INORGANIC ANALYSIS DATA SHEET

X104

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: VACANT LOT MAYWOOD

Lab Code: Case No.: SAS No.: SDG No.: 91

Matrix (Soil): Lab Sample ID: B306608

Level (Low/Med): Date Received: 05/06/93

% Solids: 77.3 Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13100			P
7440-36-0	Antimony	13.8	U	N	P
7440-38-2	Arsenic	22.6			FM
7440-39-3	Barium	294			P
7440-41-7	Beryllium	58.1			P
7440-43-9	Cadmium	18.5			P
7440-70-2	Calcium	19800	*		P
7440-47-3	Chromium	133			P
7440-48-4	Cobalt	48.2			P
7440-50-8	Copper	27600			P
7439-89-6	Iron	58600			P
7439-92-1	Lead	8360	*		P
7439-95-4	Magnesium	9210			P
7439-96-5	Manganese	3190			P
7439-97-6	Mercury	0.33			AV
7440-02-2	Nickel	551			P
7440-09-7	Potassium	803	B		P
7782-49-2	Selenium	5.57		S, N	FM
7440-22-4	Silver	8.4			P
7440-23-5	Sodium	5610			P
7440-28-0	Thallium	1.2	U		FM
7440-62-2	Vanadium	20.8			P
7440-66-6	Zinc	82500			P
	Cyanide	1.1	U		AS
	Boron	2020			P

Color Before: -Black Clarity Before: -Opaque Texture: -Fine-

Color After: -Brown Clarity After: -Clear Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0970000000

X105RE

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334862RE

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C0510BK10

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: not dec. 23

Date Analyzed: 05/10/93

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>74-87-3-----Chloromethane</u>	<u>13</u>	<u>UJ</u>	am
<u>74-83-9-----Bromomethane</u>	<u>13</u>	<u>U</u>	
<u>75-01-4-----Vinyl Chloride</u>	<u>13</u>	<u>U</u>	
<u>75-00-3-----Chloroethane</u>	<u>13</u>	<u>UJ</u>	
<u>75-09-2-----Methylene Chloride</u>	<u>32</u>	<u>BU</u>	
<u>67-64-1-----Acetone</u>	<u>4</u>	<u>J</u>	
<u>75-15-0-----Carbon Disulfide</u>	<u>13</u>	<u>U</u>	
<u>75-35-4-----1,1-Dichloroethene</u>	<u>13</u>	<u>U</u>	
<u>75-34-3-----1,1-Dichloroethane</u>	<u>13</u>	<u>U</u>	
<u>540-59-0-----1,2-Dichloroethene (total)</u>	<u>13</u>	<u>U</u>	
<u>67-66-3-----Chloroform</u>	<u>13</u>	<u>U</u>	
<u>107-06-2-----1,2-Dichloroethane</u>	<u>13</u>	<u>U</u>	
<u>78-93-3-----2-Butanone</u>	<u>13</u>	<u>U</u>	
<u>71-55-6-----1,1,1-Trichloroethane</u>	<u>13</u>	<u>UJ</u>	
<u>56-23-5-----Carbon Tetrachloride</u>	<u>13</u>	<u>UJ</u>	
<u>75-27-4-----Bromodichloromethane</u>	<u>13</u>	<u>UJ</u>	
<u>78-87-5-----1,2-Dichloropropane</u>	<u>13</u>	<u>UJ</u>	
<u>10061-01-5-----cis-1,3-Dichloropropene</u>	<u>13</u>	<u>UJ</u>	
<u>79-01-6-----Trichloroethene</u>	<u>13</u>	<u>UJ</u>	
<u>124-48-1-----Dibromochloromethane</u>	<u>13</u>	<u>UJ</u>	
<u>79-00-5-----1,1,2-Trichloroethane</u>	<u>13</u>	<u>UJ</u>	
<u>71-43-2-----Benzene</u>	<u>13</u>	<u>UJ</u>	
<u>10061-02-6-----trans-1,3-Dichloropropene</u>	<u>13</u>	<u>UJ</u>	
<u>75-25-2-----Bromoform</u>	<u>13</u>	<u>UJ</u>	
<u>108-10-1-----4-Methyl-2-Pentanone</u>	<u>13</u>	<u>UJ</u>	
<u>591-78-6-----2-Hexanone</u>	<u>13</u>	<u>UJ</u>	
<u>127-18-4-----Tetrachloroethene</u>	<u>13</u>	<u>UJ</u>	
<u>79-34-5-----1,1,2,2-Tetrachloroethane</u>	<u>13</u>	<u>UJ</u>	
<u>108-88-3-----Toluene</u>	<u>13</u>	<u>UJ</u>	
<u>108-90-7-----Chlorobenzene</u>	<u>13</u>	<u>UJ</u>	
<u>100-41-4-----Ethylbenzene</u>	<u>13</u>	<u>UJ</u>	
<u>100-42-5-----Styrene</u>	<u>13</u>	<u>UJ</u>	
<u>1330-20-7-----Xylene (total)</u>	<u>13</u>	<u>UJ</u>	

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105RE

Lab Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334862RE</u>	
Sample wt/vol: <u>5.0</u> (g/mL) <u>G</u>	Lab File ID: <u>C0510BK10</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>	
% Moisture: not dec. <u>23</u>	Date Analyzed: <u>05/10/93</u>	
GC Column: <u>DB-624</u> ID: <u>0.530</u> (mm)	Dilution Factor: <u>1.0</u>	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Name: ILLINOIS EPA

Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334862

Sample wt/vol: 30.8 (g/mL) G

Lab File ID: C0528K06

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: 23 decanted: (Y/N) N

Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 05/28/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	420	U
108-95-2-----	Phenol	420	U
111-44-4-----	bis(2-Chloroethyl) Ether	420	U
95-57-8-----	2-Chlorophenol	420	U
541-73-1-----	1,3-Dichlorobenzene	420	U
106-46-7-----	1,4-Dichlorobenzene	420	U
95-50-1-----	1,2-Dichlorobenzene	420	U
95-48-7-----	2-Methylphenol	420	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	420	UJ
106-44-5-----	4-Methylphenol	420	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	420	UJ
67-72-1-----	Hexachloroethane	420	U
98-95-3-----	Nitrobenzene	420	U
78-59-1-----	Isophorone	420	U
88-75-5-----	2-Nitrophenol	420	U
105-67-9-----	2,4-Dimethylphenol	420	U
111-91-1-----	bis(2-Chloroethoxy)Methane	420	U
120-83-2-----	2,4-Dichlorophenol	420	U
120-82-1-----	1,2,4-Trichlorobenzene	420	U
91-20-3-----	Naphthalene	420	U
106-47-8-----	4-Chloroaniline	420	UJ
87-68-3-----	Hexachlorobutadiene	420	U
59-50-7-----	4-Chloro-3-Methylphenol	420	U
91-57-6-----	2-Methylnaphthalene	420	U
77-47-4-----	Hexachlorocyclopentadiene	420	UJ
88-06-2-----	2,4,6-Trichlorophenol	420	U
95-95-4-----	2,4,5-Trichlorophenol	1000	U
91-58-7-----	2-Chloronaphthalene	420	U
88-74-4-----	2-Nitroaniline	1000	U
131-11-3-----	Dimethylphthalate	420	U
208-96-8-----	Acenaphthylene	420	U
606-20-2-----	2,6-Dinitrotoluene	420	U
99-09-2-----	3-Nitroaniline	1000	U
83-32-9-----	Acenaphthene	420	U

SEMOVOLATILE ORGANICS ANALYSIS DATA SHEET

x105

Name: ILLINOIS EPA Contract: 0970000000

Lab Code: **SPFLD** Case No.: **VACANT** SAS No.: _____ SDG No.: **334853**

Matrix: (soil/water) SOIL **Lab Sample ID:** D334862

Sample wt/vol: 30.8 (g/mL) G Lab File ID: C0528K06

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/28/93

Injection Volume: 2.0 (µL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

		J.R	Ctn
51-28-5-----	2,4-Dinitrophenol	1000	
100-02-7-----	4-Nitrophenol	1000	UJ
132-64-9-----	Dibenzofuran	420	U
121-14-2-----	2,4-Dinitrotoluene	420	UJ
84-66-2-----	Diethylphthalate	420	U
7005-72-3-----	4-Chlorophenyl-phenylether	420	U
86-73-7-----	Fluorene	420	U
100-10-6-----	4-Nitroaniline	1000	UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	420	U
101-55-3-----	4-Bromophenyl-phenylether	420	U
118-74-1-----	Hexachlorobenzene	420	UJ
87-86-5-----	Pentachlorophenol	1000	U
85-01-8-----	Phenanthrene	230	J
120-12-7-----	Anthracene	420	U
86-74-8-----	Carbazole	420	U
84-74-2-----	Di-n-Butylphthalate	670	J.U
206-44-0-----	Fluoranthene	340	J
129-00-0-----	Pyrene	360	J
85-68-7-----	Butylbenzylphthalate	420	U
91-94-1-----	3,3'-Dichlorobenzidine	420	U
56-55-3-----	Benzo(a)Anthracene	260	J
218-01-9-----	Chrysene	420	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	420	U
117-84-0-----	Di-n-Octyl Phthalate	420	U
205-99-2-----	Benzo(b)Fluoranthene	1100	
207-08-9-----	Benzo(k)Fluoranthene	420	U
50-32-8-----	Benzo(a)Pyrene	570	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	420	U
53-70-3-----	Dibenz(a,h)Anthracene	420	U
191-24-2-----	Benzo(g,h,i)Perylene	420	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334862

Sample wt/vol: 30.8 (g/mL) G Lab File ID: C0528K06

Level: (low/med) LOW Date Received: 05/06/93

Moisture: 23 decanted: (Y/N) N Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/28/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

Number TICs found: 23 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.05	41000	JINBAU am
2.	UNKNOWN	11.19	4700	J
4.	UNKNOWN ALIP. HYDROCARBON	29.79	720	J
5.	UNKNOWN ALIP. HYDROCARBON	30.67	390	J
6.	UNKNOWN ALIP. HYDROCARBON	30.99	340	J
7.	UNKNOWN ALIP. HYDROCARBON	31.27	450	J
8.	UNKNOWN	31.52	160	J
9.	UNKNOWN	31.57	960	J
10.	UNKNOWN ALIP. HYDROCARBON	31.67	310	J
11.	UNKNOWN	31.91	250	J
12.	UNKNOWN ALIP. HYDROCARBON	32.02	540	J
13.	UNKNOWN	32.82	110	J
14.	UNKNOWN	32.82	170	J
15.	UNKNOWN	32.97	330	J
16.	UNKNOWN	33.07	78	J
17.	UNKNOWN	33.26	440	J
18.	UNKNOWN	33.56	160	J
19.	UNKNOWN	33.97	650	J
20.	UNKNOWN ALIP. HYDROCARBON	34.01	960	J
21.	UNKNOWN	34.21	600	J
22.	UNKNOWN	34.62	620	J
23.	UNKNOWN	35.12	1200	J
	UNKNOWN	35.34	350	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

b Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>		
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334862</u>		
Sample wt/vol: <u>30.1</u> (g/mL) <u>G</u>	Lab File ID: _____		
% Moisture: <u>23</u>	decanted: (Y/N) <u>N</u>	Date Received: <u>05/06/93</u>	
Extraction: (SepF/Cont/Sonc)	<u>SONC</u>	Date Extracted: <u>05/12/93</u>	
Concentrated Extract Volume:	<u>5000</u> (uL)	Date Analyzed: <u>05/22/93</u>	
Injection Volume: <u>2.00</u> (uL)	Dilution Factor: <u>1.00</u>		
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>8.4</u>	Sulfur Cleanup: (Y/N) <u>N</u>	
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----alpha-BHC		2.2	UJ
319-85-7-----beta-BHC		2.2	U
319-86-8-----delta-BHC		2.2	UJ
58-89-9-----gamma-BHC (Lindane)		2.2	UJ
76-44-8-----Heptachlor		2.2	U
309-00-2-----Aldrin		2.2	29
1024-57-3-----Heptachlor epoxide		2.2	U
959-98-8-----Endosulfan I		0.68	JP
60-57-1-----Dieldrin		4.9	5.1
72-55-9-----4,4'-DDE		4.3	UJ
72-20-8-----Endrin		4.3	U
33213-65-9-----Endosulfan II		7.4	8.7
50-29-3-----4,4'-DDD		4.3	UJ
1031-07-8-----Endosulfan sulfate		4.3	U
50-29-3-----4,4'-DDT		12	PJ
72-43-5-----Methoxychlor		22	UJ
53494-70-5-----Endrin ketone		4.3	U
7421-36-3-----Endrin aldehyde		4.3	U
5103-71-9-----alpha-Chlordane		2.2	U
5103-74-2-----gamma-Chlordane		4.6	P
8001-35-2-----Toxaphene		220	U
12674-11-2-----Aroclor-1016		43	U
11104-28-2-----Aroclor-1221		87	U
11141-16-5-----Aroclor-1232		160	P
53469-21-9-----Aroclor-1242		43	U
12672-29-6-----Aroclor-1248		43	U
11097-69-1-----Aroclor-1254		520	P
11096-82-5-----Aroclor-1260		620	

INORGANIC ANALYSIS DATA SHEET

X105

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: VACANT LOT MAYWOOD
 Lab Code: Case No.: SAS No.: SDG No.: 91
 Matrix (Soil): Lab Sample ID: B306609
 Level (Low/Med): Date Received: 05/06/93
 % Solids: -77.7-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14300			P
7440-36-0	Antimony	13.2	U	N	P
7440-38-2	Arsenic	29.8			FM
7440-39-3	Barium	310			P
7440-41-7	Beryllium	57.7			P
7440-43-9	Cadmium	19.1			P
7440-70-2	Calcium	19400		*	P
7440-47-3	Chromium	138			P
7440-48-4	Cobalt	38.0			P
7440-50-8	Copper	28500			P
7439-89-6	Iron	68100			P
7439-92-1	Lead	8810		*	P
7439-95-4	Magnesium	8600			P
7439-96-5	Manganese	3440			P
7439-97-6	Mercury	0.29			AV
7440-02-2	Nickel	572			P
7440-09-7	Potassium	860	B		P
7782-49-2	Selenium	5.66		S,N	FM
7440-22-4	Silver	8.9			P
7440-23-5	Sodium	7160			P
7440-28-0	Thallium	1.4	U		FM
7440-62-2	Vanadium	22.5			P
7440-66-6	Zinc	89300			P
	Cyanide	1.1	U		AS
	Boron	2330			P

Color Before: -Black Clarity Before: -Opaque Texture: -Fine-
 Color After: -Brown Clarity After: -Clear Artifacts:
 Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334863

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0510BK07

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. 46 Date Analyzed: 05/10/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
74-87-3-----	Chloromethane	19	UJ
74-83-9-----	Bromomethane	19	U
75-01-4-----	Vinyl Chloride	19	U
75-00-3-----	Chloroethane	19	UJ
75-09-2-----	Methylene Chloride	34	U
67-64-1-----	Acetone	7	J
75-15-0-----	Carbon Disulfide	19	U
75-35-4-----	1,1-Dichloroethene	19	U
75-34-3-----	1,1-Dichloroethane	19	U
540-59-0-----	1,2-Dichloroethene (total)	56	
67-66-3-----	Chloroform	19	U
107-06-2-----	1,2-Dichloroethane	19	U
78-93-3-----	2-Butanone	19	U
71-55-6-----	1,1,1-Trichloroethane	19	UJ
56-23-5-----	Carbon Tetrachloride	19	UJ
75-27-4-----	Bromodichloromethane	19	UJ
78-87-5-----	1,2-Dichloropropane	19	UJ
10061-01-5-----	cis-1,3-Dichloropropene	19	UJ
79-01-6-----	Trichloroethene	130	J
124-48-1-----	Dibromochloromethane	19	UJ
79-00-5-----	1,1,2-Trichloroethane	19	UJ
71-43-2-----	Benzene	19	UJ
10061-02-6-----	trans-1,3-Dichloropropene	19	UJ
75-25-2-----	Bromoform	19	UJ
108-10-1-----	4-Methyl-2-Pentanone	19	UJ
591-78-6-----	2-Hexanone	19	UJ
127-18-4-----	Tetrachloroethene	24	J
79-34-5-----	1,1,2,2-Tetrachloroethane	19	UJ
108-88-3-----	Toluene	19	UJ
108-90-7-----	Chlorobenzene	19	UJ
100-41-4-----	Ethylbenzene	19	UJ
100-42-5-----	Styrene	19	UJ
1330-20-7-----	Xylene (total)	19	UJ

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ILLINOIS EPA Contract: 0970000000 X107

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334863

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0510BK07

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. 46 Date Analyzed: 05/10/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Name: ILLINOIS EPA

Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334863

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: B0605E05

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: 46 decanted: (Y/N) N

Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 06/05/93

Injection Volume: 2.0(uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	1200	U
108-95-2-----	Phenol	1200	U
111-44-4-----	bis(2-Chloroethyl)Ether	1200	U
95-57-8-----	2-Chlorophenol	1200	U
541-73-1-----	1,3-Dichlorobenzene	1200	U
106-46-7-----	1,4-Dichlorobenzene	1200	U
95-50-1-----	1,2-Dichlorobenzene	1200	U
95-48-7-----	2-Methylphenol	1200	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	1200	U
106-44-5-----	4-Methylphenol	1200	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	1200	U
67-72-1-----	Hexachloroethane	1200	U
98-95-3-----	Nitrobenzene	1200	U
78-59-1-----	Isophorone	1200	U
88-75-5-----	2-Nitrophenol	1200	U
105-67-9-----	2,4-Dimethylphenol	1200	U
111-91-1-----	bis(2-Chloroethoxy)Methane	1200	U
120-83-2-----	2,4-Dichlorophenol	1200	U
120-82-1-----	1,2,4-Trichlorobenzene	1200	U
91-20-3-----	Naphthalene	350	J
106-47-8-----	4-Chloroaniline	1200	U
87-68-3-----	Hexachlorobutadiene	1200	U
59-50-7-----	4-Chloro-3-Methylphenol	1200	U
91-57-6-----	2-Methylnaphthalene	270	J
77-47-4-----	Hexachlorocyclopentadiene	1200	U
88-06-2-----	2,4,6-Trichlorophenol	1200	U
95-95-4-----	2,4,5-Trichlorophenol	2900	U
91-58-7-----	2-Chloronaphthalene	1200	U
88-74-4-----	2-Nitroaniline	2900	U
131-11-3-----	Dimethylphthalate	1200	U
208-96-8-----	Acenaphthylene	1200	U
606-20-2-----	2,6-Dinitrotoluene	1200	U
99-09-2-----	3-Nitroaniline	2900	UJ
83-32-9-----	Acenaphthene	1200	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>		
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____	SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334863</u>		
Sample wt/vol: <u>30.2</u> (g/mL) <u>G</u>	Lab File ID: <u>B0605E05</u>		
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>		
Moisture: <u>46</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/07/93</u>		
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>06/05/93</u>		
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>2.0</u>		
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>7.6</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q	
CAS NO.	COMPOUND		
51-28-5-----	2,4-Dinitrophenol	2900	U
100-02-7-----	4-Nitrophenol	2900	U
132-64-9-----	Dibenzofuran	1200	U
121-14-2-----	2,4-Dinitrotoluene	1200	U
84-66-2-----	Diethylphthalate	1200	U
7005-72-3-----	4-Chlorophenyl-phenylether	1200	U
86-73-7-----	Fluorene	1200	U
100-10-6-----	4-Nitroaniline	2900	YR
534-52-1-----	4,6-Dinitro-2-methylphenol	2900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	1200	UJ
101-55-3-----	4-Bromophenyl-phenylether	1200	U
118-74-1-----	Hexachlorobenzene	1200	U
87-86-5-----	Pentachlorophenol	2900	U
85-01-8-----	Phenanthrene	700	J
120-12-7-----	Anthracene	1200	U
86-74-8-----	Carbazole	1200	U
84-74-2-----	Di-n-Butylphthalate	1200	890 BJU
206-44-0-----	Fluoranthene	1100	J
129-00-0-----	Pyrene	1600	
85-68-7-----	Butylbenzylphthalate	1200	U
91-94-1-----	3,3'-Dichlorobenzidine	1200	U
56-55-3-----	Benzo(a)Anthracene	1000	J
218-01-9-----	Chrysene	1200	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	1500	
117-84-0-----	Di-n-Octyl Phthalate	1200	UJ
205-99-2-----	Benzo(b)Fluoranthene	990	J
207-08-9-----	Benzo(k)Fluoranthene	1200	U
50-32-8-----	Benzo(a)Pyrene	520	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	1200	U
53-70-3-----	Dibenz(a,h)Anthracene	1200	U
191-24-2-----	Benzo(g,h,i)Perylene	1200	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334863

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B0605E05

Level: (low/med) LOW Date Received: 05/06/93

Moisture: 46 decanted: (Y/N) N Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/05/93

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 26

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.12	2400	BJU atm
123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.89	36000	JINBAU atm
.	UNKNOWN	12.39	7900	J
4.	UNKNOWN	13.65	2000	J
5.	UNKNOWN	29.64	770	J
6.	UNKNOWN DDT	30.47	2600	J
7.	UNKNOWN DDT	30.71	270	J
8.	UNKNOWN DDT	31.44	1300	J
9.	UNKNOWN DDT	31.57	270	J
10.	UNKNOWN ALIP. HYDROCARBON	32.19	510	J
11.	UNKNOWN DDT	32.31	1800	J
12.	UNKNOWN ALIP. HYDROCARBON	33.14	550	J
13.	UNKNOWN ALIP. HYDROCARBON	35.21	560	J
14.	UNKNOWN	35.46	360	J
15.	UNKNOWN	36.67	250	J
16.	UNKNOWN	36.87	260	J
17.	UNKNOWN	36.94	24	J
18.	UNKNOWN	37.07	43	J
19.	UNKNOWN	37.44	54	J
20.	UNKNOWN	37.57	82	J
21.	UNKNOWN BENZO FLUORANTHENE	37.74	740	J
22.	UNKNOWN ALIP. HYDROCARBON	37.94	2100	J
23.	UNKNOWN	38.42	720	J
24.	UNKNOWN BENZO FLUORANTHENE	38.96	1100	J
25.	UNKNOWN	39.04	5	J
26.	UNKNOWN	39.69	520	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 0970000000

X107

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334863

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 46 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	3.1	UJ
319-85-7-----	beta-BHC	3.1	U
319-86-8-----	delta-BHC	3.1	UJ
58-89-9-----	gamma-BHC (Lindane)	3.1	UJ
76-44-8-----	Heptachlor	3.1	U
309-00-2-----	Aldrin	49	
1024-57-3-----	Heptachlor epoxide	3.1	U
959-98-8-----	Endosulfan I	3.1	U
60-57-1-----	Dieldrin	6.1	U
72-55-9-----	4,4'-DDE	1700	PCJ
72-20-8-----	Endrin	6.1	U
33213-65-9-----	Endosulfan II	6.1	U
50-29-3-----	4,4'-DDD	1100	PCJ
1031-07-8-----	Endosulfan sulfate	12	
50-29-3-----	4,4'-DDT	1400	PCJ
72-43-5-----	Methoxychlor	39	PJ
53494-70-5-----	Endrin ketone	6.1	U
7421-36-3-----	Endrin aldehyde	6.1	U
5103-71-9-----	alpha-Chlordane	3.1	U
5103-74-2-----	gamma-Chlordane	18	P
8001-35-2-----	Toxaphene	310	U
12674-11-2-----	Aroclor-1016	61	U
11104-28-2-----	Aroclor-1221	120	U
11141-16-5-----	Aroclor-1232	61	U
53469-21-9-----	Aroclor-1242	600	P
12672-29-6-----	Aroclor-1248	61	U
11097-69-1-----	Aroclor-1254	3100	P
11096-82-5-----	Aroclor-1260	3500	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107DL

b Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334863D

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 46 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/93

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	31	UJ
319-85-7-----	beta-BHC	31	U
319-86-8-----	delta-BHC	31	UJ
58-89-9-----	gamma-BHC (Lindane)	31	UJ
76-44-8-----	Heptachlor	6.8	JPD
309-00-2-----	Aldrin	56	D
1024-57-3-----	Heptachlor epoxide	31	U
959-98-8-----	Endosulfan I	31	U
60-57-1-----	Dieldrin	61	U
72-55-9-----	4,4'-DDE	1800	PCDJ
72-20-8-----	Endrin	210	D
33213-65-9-----	Endosulfan II	61	U
50-29-3-----	4,4'-DDD	1100	PCDJ
1031-07-8-----	Endosulfan sulfate	61	U
50-29-3-----	4,4'-DDT	1400	PCDJ
72-43-5-----	Methoxychlor	310	UJ
53494-70-5-----	Endrin ketone	61	U
7421-36-3-----	Endrin aldehyde	61	U
5103-71-9-----	alpha-Chlordane	31	U
5103-74-2-----	gamma-Chlordane	10	JPD
8001-35-2-----	Toxaphene	3100	U
12674-11-2-----	Aroclor-1016	610	U
11104-28-2-----	Aroclor-1221	1200	U
11141-16-5-----	Aroclor-1232	610	U
53469-21-9-----	Aroclor-1242	610	U
12672-29-6-----	Aroclor-1248	610	U
11097-69-1-----	Aroclor-1254	4400	PD
11096-82-5-----	Aroclor-1260	1400	PD

INORGANIC ANALYSIS DATA SHEET

X107

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: VACANT LOT MAYWOOD
 Lab Code: Case No.: SAS No.: SDG No.: 91
 Matrix (Soil): Lab Sample ID: B306610
 Level (Low/Med): Date Received: 05/06/93
 % Solids: -57.3-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12100			P
7440-36-0	Antimony	18.6	U	N	P
7440-38-2	Arsenic	16.4 ^{17.7} ₀₈			FM
7440-39-3	Barium	227			P
7440-41-7	Beryllium	15.9			P
7440-43-9	Cadmium	21.7			P
7440-70-2	Calcium	24300		*	P
7440-47-3	Chromium	107			P
7440-48-4	Cobalt	41.4			P
7440-50-8	Copper	14300			P
7439-89-6	Iron	27600			P
7439-92-1	Lead	6680		*	P
7439-95-4	Magnesium	9300			P
7439-96-5	Manganese	1200			P
7439-97-6	Mercury	3.23			AV
7440-02-2	Nickel	273			P
7440-09-7	Potassium	1590	B		P
7782-49-2	Selenium	6.41		S, N	FM
7440-22-4	Silver	49.2			P
7440-23-5	Sodium	916	B		P
7440-28-0	Thallium	0.33	U	W	FM
7440-62-2	Vanadium	24.9			P
7440-66-6	Zinc	37200			P
	Cyanide	1.4	U		AS
	Boron	195			P

Color Before: -Black Clarity Before: -Opaque Texture: -Fine-
 Color After: -Brown Clarity After: -Clear Artifacts:
 Comments:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	<input type="checkbox"/> Non-Responsive
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334864</u>	
Sample wt/vol: <u>30.3 (g/mL) G</u>	Lab File ID: <u>B0605E06</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>	
% Moisture: <u>57</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/07/93</u>	
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>06/05/93</u>	
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>4.0</u>	
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>6.9</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
CAS NO.	COMPOUND	
108-95-2-----Phenol		3000 U
111-44-4-----bis(2-Chloroethyl) Ether		3000 U
95-57-8-----2-Chlorophenol		3000 U
541-73-1-----1,3-Dichlorobenzene		3000 U
106-46-7-----1,4-Dichlorobenzene		3000 U
95-50-1-----1,2-Dichlorobenzene		3000 U
95-48-7-----2-Methylphenol		3000 U
108-60-1-----2,2'-oxybis(1-Chloropropane)		3000 U
106-44-5-----4-Methylphenol		3000 U
621-64-7-----N-Nitroso-Di-n-Propylamine		3000 U
67-72-1-----Hexachloroethane		3000 U
98-95-3-----Nitrobenzene		3000 U
78-59-1-----Isophorone		3000 U
88-75-5-----2-Nitrophenol		3000 U
105-67-9-----2,4-Dimethylphenol		3000 U
111-91-1-----bis(2-Chloroethoxy) Methane		3000 U
120-83-2-----2,4-Dichlorophenol		3000 U
120-82-1-----1,2,4-Trichlorobenzene		3000 U
91-20-3-----Naphthalene		1600 J
106-47-8-----4-Chloroaniline		3000 U
87-68-3-----Hexachlorobutadiene		3000 U
59-50-7-----4-Chloro-3-Methylphenol		3000 U
91-57-6-----2-Methylnaphthalene		3000 U
77-47-4-----Hexachlorocyclopentadiene		3000 U
88-06-2-----2,4,6-Trichlorophenol		3000 U
95-95-4-----2,4,5-Trichlorophenol		7400 U
91-58-7-----2-Chloronaphthalene		3000 U
88-74-4-----2-Nitroaniline		7400 U
131-11-3-----Dimethylphthalate		3000 U
208-96-8-----Acenaphthylene		3000 U
606-20-2-----2,6-Dinitrotoluene		3000 U
99-09-2-----3-Nitroaniline		7400 UJ
83-32-9-----Acenaphthene		1600 J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	<input type="checkbox"/> Non-Responsive	
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334864</u>		
Sample wt/vol: <u>30.3</u> (g/mL) <u>G</u>	Lab File ID: <u>B0605E06</u>		
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>		
Moisture: <u>57</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/07/93</u>		
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>06/05/93</u>		
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>4.0</u>		
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>6.9</u>		
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
51-28-5-----	2,4-Dinitrophenol	7400	U
100-02-7-----	4-Nitrophenol	7400	U
132-64-9-----	Dibenzofuran	1300	J
121-14-2-----	2,4-Dinitrotoluene	3000	U
84-66-2-----	Diethylphthalate	3000	U
7005-72-3-----	4-Chlorophenyl-phenylether	3000	U
86-73-7-----	Fluorene	3000	U
100-10-6-----	4-Nitroaniline	7400	UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	7400	U
86-30-6-----	N-Nitrosodiphenylamine (1)	3000	UJ
101-55-3-----	4-Bromophenyl-phenylether	3000	U
118-74-1-----	Hexachlorobenzene	3000	U
87-86-5-----	Pentachlorophenol	7400	U
85-01-8-----	Phenanthrene	13000	
120-12-7-----	Anthracene	2600	J
86-74-8-----	Carbazole	3300	
84-74-2-----	Di-n-Butylphthalate	3000	BJU dm
206-44-0-----	Fluoranthene	16000	
129-00-0-----	Pyrene	13000	
85-68-7-----	Butylbenzylphthalate	3000	U
91-94-1-----	3,3'-Dichlorobenzidine	3000	U
56-55-3-----	Benzo(a)Anthracene	7700	
218-01-9-----	Chrysene	6800	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	3000	U
117-84-0-----	Di-n-Octyl Phthalate	3000	UJ
205-99-2-----	Benzo(b)Fluoranthene	8600	
207-08-9-----	Benzo(k)Fluoranthene	7100	
50-32-8-----	Benzo(a)Pyrene	7900	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	4000	
53-70-3-----	Dibenz(a,h)Anthracene	3000	U
191-24-2-----	Benzo(g,h,i)Perylene	3900	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

b Name: ILLINOIS EPA Contract: 0970000000 Non-Responsiv

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334864

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0605E06

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: 57 decanted: (Y/N) N Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/05/93

Injection Volume: 2.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 25

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.82	52000	JNBAU
2.	UNKNOWN	12.34	9300	J
3.	METHYL PHENANTHRENE	27.32	1300	J
4.	METHYL PHENANTHRENE	27.41	1300	J
5.	UNKNOWN PHENANTHRENE	27.67	3000	J
6.	UNKNOWN NAPHTHALENE	28.19	1100	J
7.	UNKNOWN ANTHRACENEDIONE	28.27	2400	AJ
8.	UNKNOWN	31.09	4000	J
9.	UNKNOWN	31.27	2900	J
10.	UNKNOWN	31.39	980	J
11.	UNKNOWN	32.92	1500	J
12.	UNKNOWN	33.01	1500	J
13.	UNKNOWN	33.07	1400	J
14.	UNKNOWN ALIP. HYDROCARBON	33.12	1500	J
15.	UNKNOWN	34.02	2400	J
16.	UNKNOWN	34.39	790	J
17.	UNKNOWN	34.97	1300	J
18.	UNKNOWN ALIP. HYDROCARBON	35.17	2800	J
19.	UNKNOWN ALIP. HYDROCARBON	36.42	1100	J
20.	UNKNOWN	37.06	5000	J
21.	UNKNOWN ALIP. HYDROCARBON	37.92	21000	J
22.	UNKNOWN	38.31	18000	J
23.	UNKNOWN BENZO FLUORANTHENE	38.92	15000	J
24.	UNKNOWN BENZO FLUORANTHENE	39.59	4600	J
25.	UNKNOWN ALIP. HYDROCARBON	41.81	20000	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

b Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	<input type="checkbox"/> Non-Responsive	
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____	SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334864</u>		
Sample wt/vol: <u>30.1</u> (g/mL) <u>G</u>	Lab File ID: _____		
% Moisture: <u>57</u>	decanted: (Y/N) <u>N</u>	Date Received: <u>05/06/93</u>	
Extraction: (SepF/Cont/Sonc)	<u>SONC</u>	Date Extracted: <u>05/12/93</u>	
Concentrated Extract Volume: <u>5000</u> (uL)	Date Analyzed: <u>05/21/93</u>		
Injection Volume: <u>2.00</u> (uL)	Dilution Factor: <u>1.00</u>		
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>6.9</u>	Sulfur Cleanup: (Y/N) <u>N</u>	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	3.9	UJ
319-85-7-----	beta-BHC	3.9	U
319-86-8-----	delta-BHC	3.9	UJ
58-89-9-----	gamma-BHC (Lindane)	3.9	UJ
76-44-8-----	Heptachlor	3.9	U
309-00-2-----	Aldrin	17	P
1024-57-3-----	Heptachlor epoxide	3.9	U
959-98-8-----	Endosulfan I	3.9	U
60-57-1-----	Die�drin	38	
72-55-9-----	4,4'-DDE	220	P
72-20-8-----	Endrin	7.7	U
33213-65-9-----	Endosulfan II	7.7	U
50-29-3-----	4,4'-DDD	7.7	U
1031-07-8-----	Endosulfan sulfate	94	P
50-29-3-----	4,4'-DDT	580	P
72-43-5-----	Methoxychlor	39	UJ
53494-70-5-----	Endrin ketone	7.7	U
7421-36-3-----	Endrin aldehyde	7.7	U
5103-71-9-----	alpha-Chlordane	23	P
5103-74-2-----	gamma-Chlordane	25	
8001-35-2-----	Toxaphene	390	U
12674-11-2-----	Aroclor-1016	77	U
11104-28-2-----	Aroclor-1221	160	U
11141-16-5-----	Aroclor-1232	77	U
53469-21-9-----	Aroclor-1242	77	U
12672-29-6-----	Aroclor-1248	280	P
11097-69-1-----	Aroclor-1254	1700	
11096-82-5-----	Aroclor-1260	1900	P

INORGANIC ANALYSIS DATA SHEET

Non-Responsiv

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: VACANT LOT MAYWOOD
 Lab Code: Case No.: SAS No.: SDG No.: 91
 Matrix (Soil): Lab Sample ID: B306616
 Level (Low/Med): Date Received: 05/06/93
 % Solids: -43.3-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7310			P
7440-36-0	Antimony	21.3	U	N	P R
7440-38-2	Arsenic	9.68		S	FM
7440-39-3	Barium	178			P
7440-41-7	Beryllium	2.0	B		P
7440-43-9	Cadmium	17.6			P
7440-70-2	Calcium	26300		*	P
7440-47-3	Chromium	90.9			P
7440-48-4	Cobalt	8.2	B		P
7440-50-8	Copper	3020			P
7439-89-6	Iron	13600			P
7439-92-1	Lead	1760		*	P
7439-95-4	Magnesium	8700			P
7439-96-5	Manganese	393			P
7439-97-6	Mercury	1.77			AV
7440-02-2	Nickel	155			P
7440-09-7	Potassium	1650	B		P
7782-49-2	Selenium	2.79	J	S, N	FM J
7440-22-4	Silver	3.3	B		P
7440-23-5	Sodium	167	B		P
7440-28-0	Thallium	0.44	U		FM J
7440-62-2	Vanadium	18.7			P
7440-66-6	Zinc	8470			P
	Cyanide	1.9	U		AS
	Boron	19.0	U		P

Color Before: -Black Clarity Before: —Opaque Texture: -Fine—

Color After: -Colorless Clarity After: —Clear Artifacts:

Comments:

SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

b Name: ILLINOIS EPA Contract: 0970000000

Non-Responsive

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853Matrix: (soil/water) SOIL Lab Sample ID: D334865Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0605E03Level: (low/med) LOW Date Received: 05/06/93% Moisture: 49 decanted: (Y/N) N Date Extracted: 05/07/93Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/05/93Injection Volume: 2.0(uL) Dilution Factor: 2.0GPC Cleanup: (Y/N) Y pH: 7.0CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	Q
108-95-2-----	Phenol	1300 U
111-44-4-----	bis(2-Chloroethyl)Ether	1300 U
95-57-8-----	2-Chlorophenol	1300 U
541-73-1-----	1,3-Dichlorobenzene	1300 U
106-46-7-----	1,4-Dichlorobenzene	1300 U
95-50-1-----	1,2-Dichlorobenzene	1300 U
95-48-7-----	2-Methylphenol	1300 U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	1300 U
106-44-5-----	4-Methylphenol	1300 U
621-64-7-----	N-Nitroso-Di-n-Propylamine	1300 U
67-72-1-----	Hexachloroethane	1300 U
98-95-3-----	Nitrobenzene	1300 U
78-59-1-----	Isophorone	1300 U
88-75-5-----	2-Nitrophenol	1300 U
105-67-9-----	2,4-Dimethylphenol	1300 U
111-91-1-----	bis(2-Chloroethoxy)Methane	1300 U
120-83-2-----	2,4-Dichlorophenol	1300 U
120-82-1-----	1,2,4-Trichlorobenzene	1300 U
91-20-3-----	Naphthalene	1300 U
106-47-8-----	4-Chloroaniline	1300 U
87-68-3-----	Hexachlorobutadiene	1300 U
59-50-7-----	4-Chloro-3-Methylphenol	1300 U
91-57-6-----	2-Methylnaphthalene	1300 U
77-47-4-----	Hexachlorocyclopentadiene	1300 U
88-06-2-----	2,4,6-Trichlorophenol	1300 U
95-95-4-----	2,4,5-Trichlorophenol	3100 U
91-58-7-----	2-Chloronaphthalene	1300 U
88-74-4-----	2-Nitroaniline	3100 U
131-11-3-----	Dimethylphthalate	1300 U
208-96-8-----	Acenaphthylene	1300 U
606-20-2-----	2,6-Dinitrotoluene	1300 U
99-09-2-----	3-Nitroaniline	3100 UJ
83-32-9-----	Acenaphthene	1300 U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Non-Responsive

b Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334865

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0605E03

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: 49 decanted: (Y/N) N Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/05/93

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>51-28-5-----2,4-Dinitrophenol</u>	<u>3100</u>	<u>U</u>	
<u>100-02-7-----4-Nitrophenol</u>	<u>3100</u>	<u>U</u>	
<u>132-64-9-----Dibenzofuran</u>	<u>1300</u>	<u>U</u>	
<u>121-14-2-----2,4-Dinitrotoluene</u>	<u>1300</u>	<u>U</u>	
<u>84-66-2-----Diethylphthalate</u>	<u>1300</u>	<u>U</u>	
<u>7005-72-3-----4-Chlorophenyl-phenylether</u>	<u>1300</u>	<u>U</u>	
<u>86-73-7-----Fluorene</u>	<u>1300</u>	<u>U</u>	
<u>100-10-6-----4-Nitroaniline</u>	<u>3100</u>	<u>XR</u>	<u>am</u>
<u>534-52-1-----4,6-Dinitro-2-methylphenol</u>	<u>3100</u>	<u>U</u>	
<u>86-30-6-----N-Nitrosodiphenylamine (1)</u>	<u>1300</u>	<u>UJ</u>	
<u>101-55-3-----4-Bromophenyl-phenylether</u>	<u>1300</u>	<u>U</u>	
<u>118-74-1-----Hexachlorobenzene</u>	<u>1300</u>	<u>U</u>	
<u>87-86-5-----Pentachlorophenol</u>	<u>3100</u>	<u>U</u>	
<u>85-01-8-----Phenanthrene</u>	<u>530</u>	<u>J</u>	
<u>120-12-7-----Anthracene</u>	<u>1300</u>	<u>U</u>	
<u>86-74-8-----Carbazole</u>	<u>1300</u>	<u>U</u>	
<u>84-74-2-----Di-n-Butylphthalate</u>	<u>1300</u>	<u>BJU</u>	<u>am</u>
<u>206-44-0-----Fluoranthene</u>	<u>1000</u>	<u>J</u>	
<u>129-00-0-----Pyrene</u>	<u>960</u>	<u>J</u>	
<u>85-68-7-----Butylbenzylphthalate</u>	<u>1300</u>	<u>U</u>	
<u>91-94-1-----3,3'-Dichlorobenzidine</u>	<u>1300</u>	<u>U</u>	
<u>56-55-3-----Benzo(a)Anthracene</u>	<u>540</u>	<u>J</u>	
<u>218-01-9-----Chrysene</u>	<u>1300</u>	<u>U</u>	
<u>117-81-7-----bis(2-Ethylhexyl)Phthalate</u>	<u>940</u>	<u>J</u>	
<u>117-84-0-----Di-n-Octyl Phthalate</u>	<u>1300</u>	<u>UJ</u>	
<u>205-99-2-----Benzo(b)Fluoranthene</u>	<u>590</u>	<u>J</u>	
<u>207-08-9-----Benzo(k)Fluoranthene</u>	<u>470</u>	<u>J</u>	
<u>50-32-8-----Benzo(a)Pyrene</u>	<u>550</u>	<u>J</u>	
<u>193-39-5-----Indeno(1,2,3-cd)Pyrene</u>	<u>1300</u>	<u>U</u>	
<u>53-70-3-----Dibenz(a,h)Anthracene</u>	<u>1300</u>	<u>U</u>	
<u>191-24-2-----Benzo(g,h,i)Perylene</u>	<u>1300</u>	<u>U</u>	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Non-Responsiv

b Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334865

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0605E03

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: 49 decanted: (Y/N) N Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/05/93

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.08	3400	J
2. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.87	47000	JNBAU am
3.	UNKNOWN	10.64	820	J
4.	UNKNOWN ALIP. KETONE	11.34	2000	AJ
5.	UNKNOWN ALIP. ALCOHOL	12.35	8900	AJ
6.	UNKNOWN	13.64	2300	J
7.	UNKNOWN ACID	22.92	770	BJU am
8.	UNKNOWN ALIP. HYDROCARBON	31.16	690	J
9.	UNKNOWN ALIP. HYDROCARBON	33.12	930	J
10.	UNKNOWN	33.29	1700	J
11.	UNKNOWN	33.49	320	J
12.	UNKNOWN ALIP. HYDROCARBON	35.17	2700	J
13.	UNKNOWN	35.44	1400	J
14.	UNKNOWN ALIP. HYDROCARBON	36.42	1100	J
15.	UNKNOWN	37.06	3200	J
16.	UNKNOWN ALIP. HYDROCARBON	37.92	32000	J
17.	UNKNOWN	38.26	15000	J
18.	UNKNOWN BENZO FLUORANTHENE	38.91	1200	J
19.	UNKNOWN	40.47	420	J
20.	UNKNOWN ALIP. HYDROCARBON	41.83	24000	J
21.	UNKNOWN	42.83	1500	J
22.	UNKNOWN	45.83	1400	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0970000000

Non-Responsiv

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334865

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 49 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/21/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	3.3	UJ
319-85-7-----	beta-BHC	3.3	U
319-86-8-----	delta-BHC	3.3	UJ
58-89-9-----	gamma-BHC (Lindane)	3.3	UJ
76-44-8-----	Heptachlor	3.3	U
309-00-2-----	Aldrin	6.7	P
1024-57-3-----	Heptachlor epoxide	7.5	
959-98-8-----	Endosulfan I	3.3	U
60-57-1-----	Dieldrin	16	
72-55-9-----	4,4'-DDE	70	P
72-20-8-----	Endrin	25	P
33213-65-9-----	Endosulfan II	6.4	U
50-29-3-----	4,4'-DDD	6.4	U
1031-07-8-----	Endosulfan sulfate	11	
50-29-3-----	4,4'-DDT	92	P
72-43-5-----	Methoxychlor	110	PJ
53494-70-5-----	Endrin ketone	6.4	U
7421-36-3-----	Endrin aldehyde	6.4	U
5103-71-9-----	alpha-Chlordane	16	P
5103-74-2-----	gamma-Chlordane	10	P
8001-35-2-----	Toxaphene	330	U
12674-11-2-----	Aroclor-1016	64	U
11104-28-2-----	Aroclor-1221	130	U
11141-16-5-----	Aroclor-1232	110	P
53469-21-9-----	Aroclor-1242	64	U
12672-29-6-----	Aroclor-1248	64	U
11097-69-1-----	Aroclor-1254	460	P
11096-82-5-----	Aroclor-1260	760	P

INORGANIC ANALYSIS DATA SHEET

Non-Responsive

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: —VACANT LOT MAYWOOD—
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: —91—
 Matrix (Soil): _____ Lab Sample ID: —B306617—
 Level (Low/Med): _____ Date Received: 05/06/93
 % Solids: —55.3—

Concentration Units (mg/kg dry weight): —

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9570		P	
7440-36-0	Antimony	13.7	U	N	P
7440-38-2	Arsenic	8.06		FM	
7440-39-3	Barium	106		P	
7440-41-7	Beryllium	1.4		P	
7440-43-9	Cadmium	8.6		P	
7440-70-2	Calcium	15700	*	P	
7440-47-3	Chromium	30.9		P	
7440-48-4	Cobalt	12.0	B		P
7440-50-8	Copper	1950		P	
7439-89-6	Iron	16600		P	
7439-92-1	Lead	1110		*	P
7439-95-4	Magnesium	7750		P	
7439-96-5	Manganese	603		P	
7439-97-6	Mercury	0.605		AV	
7440-02-2	Nickel	87.3		P	
7440-09-7	Potassium	1800	B		P
7782-49-2	Selenium	2.03	U	S,N	FM
7440-22-4	Silver	1.7	B		P
7440-23-5	Sodium	89.4	B		P
7440-28-0	Thallium	0.38	U		FM
7440-62-2	Vanadium	21.6			P
7440-66-6	Zinc	4830			P
	Cyanide	1.5	U		AS
	Boron	3.1	U		P

Color Before: —Black— Clarity Before: —Opaque— Texture: —Fine—

Color After: —Colorless— Clarity After: —Clear— Artifacts: —

Comments: _____

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Non-Responsive

Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	<u> </u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334866</u>		
Sample wt/vol: <u>30.1 (g/mL) G</u>	Lab File ID: <u>C0527E09</u>		
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>		
% Moisture: <u>53</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/07/93</u>		
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>05/28/93</u>		
Injection Volume: <u>2.0 (uL)</u>	Dilution Factor: <u>1.0</u>		
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>6.6</u>		
CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
108-95-2-----Phenol	700	U	
111-44-4-----bis(2-Chloroethyl) Ether	700	U	
95-57-8-----2-Chlorophenol	700	U	
541-73-1-----1,3-Dichlorobenzene	700	U	
106-46-7-----1,4-Dichlorobenzene	700	U	
95-50-1-----1,2-Dichlorobenzene	700	U	
95-48-7-----2-Methylphenol	700	U	
108-60-1-----2,2'-oxybis(1-Chloropropane)	700	U	
106-44-5-----4-Methylphenol	700	U	
621-64-7-----N-Nitroso-Di-n-Propylamine	700	U	
67-72-1-----Hexachloroethane	700	U	
98-95-3-----Nitrobenzene	700	U	
78-59-1-----Isophorone	700	U	
88-75-5-----2-Nitrophenol	700	U	
105-67-9-----2,4-Dimethylphenol	700	U	
111-91-1-----bis(2-Chloroethoxy)Methane	700	U	
120-83-2-----2,4-Dichlorophenol	700	U	
120-82-1-----1,2,4-Trichlorobenzene	700	U	
91-20-3-----Naphthalene	700	U	
106-47-8-----4-Chloroaniline	700	UJ	
87-68-3-----Hexachlorobutadiene	700	U	
59-50-7-----4-Chloro-3-Methylphenol	700	U	
91-57-6-----2-Methylnaphthalene	700	U	
77-47-4-----Hexachlorocyclopentadiene	700	U	
88-06-2-----2,4,6-Trichlorophenol	700	U	
95-95-4-----2,4,5-Trichlorophenol	1700	U	
91-58-7-----2-Chloronaphthalene	700	U	
88-74-4-----2-Nitroaniline	1700	UJ	
131-11-3-----Dimethylphthalate	700	U	
208-96-8-----Acenaphthylene	700	U	
606-20-2-----2,6-Dinitrotoluene	700	U	
99-09-2-----3-Nitroaniline	1700	U	
83-32-9-----Acenaphthene	700	U	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

b Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334866</u>	
Sample wt/vol: <u>30.1 (g/mL) G</u>	Lab File ID: <u>C0527E09</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>	
% Moisture: <u>53</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/07/93</u>	
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>05/28/93</u>	
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>1.0</u>	
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>6.6</u>	
CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q		
CAS NO.	COMPOUND	
51-28-5-----	2,4-Dinitrophenol	1700 UJ
100-02-7-----	4-Nitrophenol	1700 UR
132-64-9-----	Dibenzofuran	700 U
121-14-2-----	2,4-Dinitrotoluene	700 U
84-66-2-----	Diethylphthalate	700 U
7005-72-3-----	4-Chlorophenyl-phenylether	700 U
86-73-7-----	Fluorene	700 U
100-10-6-----	4-Nitroaniline	1700 JR
534-52-1-----	4,6-Dinitro-2-methylphenol	1700 U
86-30-6-----	N-Nitrosodiphenylamine (1)	700 U
101-55-3-----	4-Bromophenyl-phenylether	700 U
118-74-1-----	Hexachlorobenzene	700 JUJ
87-86-5-----	Pentachlorophenol	1700 U
85-01-8-----	Phenanthrene	1200
120-12-7-----	Anthracene	700 U
86-74-8-----	Carbazole	210 J
84-74-2-----	Di-n-Butylphthalate	1100 JR
206-44-0-----	Fluoranthene	1800
129-00-0-----	Pyrene	1500
85-68-7-----	Butylbenzylphthalate	700 U
91-94-1-----	3,3'-Dichlorobenzidine	700 U
56-55-3-----	Benzo(a)Anthracene	840
218-01-9-----	Chrysene	1100
117-81-7-----	bis(2-Ethylhexyl)Phthalate	700 U
117-84-0-----	Di-n-Octyl Phthalate	700 U
205-99-2-----	Benzo(b)Fluoranthene	1100
207-08-9-----	Benzo(k)Fluoranthene	700 U
50-32-8-----	Benzo(a)Pyrene	740
193-39-5-----	Indeno(1,2,3-cd)Pyrene	420 J
53-70-3-----	Dibenz(a,h)Anthracene	700 U
191-24-2-----	Benzo(g,h,i)Perylene	700 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Sample Name: ILLINOIS EPA Contract: 0970000000

Non-Responsive

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334866

Sample wt/vol: 30.1 (g/mL) G Lab File ID: C0527E09

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: 53 decanted: (Y/N) N Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/28/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

CONCENTRATION UNITS:

Number TICs found: 27 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.43	4400	B <u>J</u> U
2. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.17	66000	JN <u>B</u> A U
3.	UNKNOWN	9.69	1100	J
4.	UNKNOWN ALIP. KETONE	10.34	2400	B <u>J</u> U
5.	UNKNOWN	12.37	3700	B <u>J</u> U
6.	UNKNOWN ALIP. ACID	24.72	1300	J
7.	UNKNOWN ALIP. HYDROCARBON	28.06	800	J
8.	UNKNOWN ACID ESTER	28.99	810	B <u>J</u> U
9.	UNKNOWN	29.66	260	J
10.	UNKNOWN ALIP. HYDROCARBON	29.82	1200	J
11.	UNKNOWN	29.87	1400	J
12.	UNKNOWN	29.89	1200	J
13.	UNKNOWN ALIP. HYDROCARBON	30.71	310	J
14.	UNKNOWN ALIP. HYDROCARBON	31.71	1900	J
15.	UNKNOWN	31.84	1700	J
16.	UNKNOWN ALIP. HYDROCARBON	32.87	600	J
17.	UNKNOWN	33.46	1600	J
18.	UNKNOWN ALIP. HYDROCARBON	34.26	7300	J
19.	UNKNOWN	34.46	5900	J
20.	UNKNOWN BENZO FLUORANTHENE	35.17	1200	J
21.	UNKNOWN	36.79	1200	J
22.	UNKNOWN	37.74	1100	J
23.	UNKNOWN ALIP. HYDROCARBON	37.91	7000	J
24.	UNKNOWN	38.47	1400	J
25.	UNKNOWN	38.79	740	J
26.	UNKNOWN	43.43	1900	J
27.	UNKNOWN	44.26	1300	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

b Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	<input type="checkbox"/> Non-Responsive
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334866</u>	
Sample wt/vol: <u>30.1</u> (g/mL) <u>G</u>	Lab File ID: _____	
% Moisture: <u>53</u> decanted: (Y/N) <u>N</u>	Date Received: <u>05/06/93</u>	
Extraction: (SepF/Cont/Sonc) <u>SONC</u>	Date Extracted: <u>05/12/93</u>	
Concentrated Extract Volume: <u>5000</u> (uL)	Date Analyzed: <u>05/21/93</u>	
Injection Volume: <u>2.00</u> (uL)	Dilution Factor: <u>1.00</u>	
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>6.6</u>	Sulfur Cleanup: (Y/N) <u>N</u>

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	3.6	UJ
319-85-7-----	beta-BHC	3.6	U
319-86-8-----	delta-BHC	3.6	UJ
58-89-9-----	gamma-BHC (Lindane)	3.6	UJ
76-44-8-----	Heptachlor	1.8	J
309-00-2-----	Aldrin	4.8	P
1024-57-3-----	Heptachlor epoxide	3.5	J
959-98-8-----	Endosulfan I	3.6	U
60-57-1-----	Dieldrin	8.1	P
72-55-9-----	4,4'-DDE	94	P
72-20-8-----	Endrin	7.0	U
33213-65-9-----	Endosulfan II	7.0	U
50-29-3-----	4,4'-DDD	56	
1031-07-8-----	Endosulfan sulfate	55	
50-29-3-----	4,4'-DDT	77	P
72-43-5-----	Methoxychlor	36	UJ
53494-70-5-----	Endrin ketone	7.0	U
7421-36-3-----	Endrin aldehyde	7.0	U
5103-71-9-----	alpha-Chlordane	7.9	
5103-74-2-----	gamma-Chlordane	5.8	
8001-35-2-----	Toxaphene	360	U
12674-11-2-----	Aroclor-1016	70	U
11104-28-2-----	Aroclor-1221	140	U
11141-16-5-----	Aroclor-1232	70	U
53469-21-9-----	Aroclor-1242	70	U
12672-29-6-----	Aroclor-1248	70	U
11097-69-1-----	Aroclor-1254	370	P
11096-82-5-----	Aroclor-1260	680	P

INORGANIC ANALYSIS DATA SHEET

Non-Responsive

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: —VACANT LOT MAYWOOD—
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: —91—
 Matrix (Soil): _____ Lab Sample ID: —B306618—
 Level (Low/Med): _____ Date Received: 05/06/93
 % Solids: —39.9—

Concentration Units (mg/kg dry weight): —

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7610			P
7440-36-0	Antimony	24.8	U	N	P
7440-38-2	Arsenic	5.01			FM
7440-39-3	Barium	112			P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium	8.6	U		P
7440-70-2	Calcium	18700		*	P
7440-47-3	Chromium	16.8			P
7440-48-4	Cobalt	5.3	B		P
7440-50-8	Copper	1380			P
7439-89-6	Iron	10700			P
7439-92-1	Lead	542		*	P
7439-95-4	Magnesium	4390			P
7439-96-5	Manganese	247			P
7439-97-6	Mercury	0.41			AV
7440-02-2	Nickel	72.6			P
7440-09-7	Potassium	1560	B		P
7782-49-2	Selenium	1.52	U	W,N	FM
7440-22-4	Silver	1.4	U		P
7440-23-5	Sodium	202	B		P
7440-28-0	Thallium	0.49	U		FM
7440-62-2	Vanadium	16.1			P
7440-66-6	Zinc	5810			P
	Cyanide	2.1	U		AS
	Boron	12.3	U		P

Color Before: —Black— Clarity Before: —Opaque— Texture: —Fine—

Color After: —Colorless— Clarity After: —Clear— Artifacts: —

Comments: _____

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Non-Responsiv

b Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>			
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____	SDG No.: <u>334853</u>	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334867</u>			
Sample wt/vol: <u>30.1 (g/mL) G</u>	Lab File ID: <u>B0605E04</u>			
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>			
% Moisture: <u>29</u>	decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/07/93</u>		
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>06/05/93</u>			
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>2.0</u>			
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>7.3</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q		
CAS NO.	COMPOUND			
108-95-2-----	Phenol	920	U	
111-44-4-----	bis(2-Chloroethyl)Ether	920	U	
95-57-8-----	2-Chlorophenol	920	U	
541-73-1-----	1,3-Dichlorobenzene	920	U	
106-46-7-----	1,4-Dichlorobenzene	920	U	
95-50-1-----	1,2-Dichlorobenzene	920	U	
95-48-7-----	2-Methylphenol	920	U	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	920	U	
106-44-5-----	4-Methylphenol	920	U	
621-64-7-----	N-Nitroso-Di-n-Propylamine	920	U	
67-72-1-----	Hexachloroethane	920	U	
98-95-3-----	Nitrobenzene	920	U	
78-59-1-----	Isophorone	920	U	
88-75-5-----	2-Nitrophenol	920	U	
105-67-9-----	2,4-Dimethylphenol	920	U	
111-91-1-----	bis(2-Chloroethoxy)Methane	920	U	
120-83-2-----	2,4-Dichlorophenol	920	U	
120-82-1-----	1,2,4-Trichlorobenzene	920	U	
91-20-3-----	Naphthalene	920	U	
106-47-8-----	4-Chloroaniline	920	U	
87-68-3-----	Hexachlorobutadiene	920	U	
59-50-7-----	4-Chloro-3-Methylphenol	920	U	
91-57-6-----	2-Methylnaphthalene	920	U	
77-47-4-----	Hexachlorocyclopentadiene	920	U	
88-06-2-----	2,4,6-Trichlorophenol	920	U	
95-95-4-----	2,4,5-Trichlorophenol	2200	U	
91-58-7-----	2-Choronaphthalene	920	U	
88-74-4-----	2-Nitroaniline	2200	U	
131-11-3-----	Dimethylphthalate	920	U	
208-96-8-----	Acenaphthylene	920	U	
606-20-2-----	2,6-Dinitrotoluene	920	U	
99-09-2-----	3-Nitroaniline	2200	UJ	
83-32-9-----	Acenaphthene	920	U	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

> Name: ILLINOIS EPA Contract: 0970000000 Non-Responsive

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334867

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B0605E04

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/05/93

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.3

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND				
51-28-5-----	2,4-Dinitrophenol	2200	U		
100-02-7-----	4-Nitrophenol	2200	U		
132-64-9-----	Dibenzofuran	920	U		
121-14-2-----	2,4-Dinitrotoluene	920	U		
84-66-2-----	Diethylphthalate	920	U		
7005-72-3-----	4-Chlorophenyl-phenylether	920	U		
86-73-7-----	Fluorene	920	U		
100-10-6-----	4-Nitroaniline	2200	UR	am	
534-52-1-----	4,6-Dinitro-2-methylphenol	2200	U		
86-30-6-----	N-Nitrosodiphenylamine (1)	920	UJ		
101-55-3-----	4-Bromophenyl-phenylether	920	U		
118-74-1-----	Hexachlorobenzene	920	U		
87-86-5-----	Pentachlorophenol	2200	U		
85-01-8-----	Phenanthrene	1400			
120-12-7-----	Anthracene	920	U		
86-74-8-----	Carbazole	280	J		
84-74-2-----	Di-n-Butylphthalate	920	500	BU	am
206-44-0-----	Fluoranthene	2000			
129-00-0-----	Pyrene	1700			
85-68-7-----	Butylbenzylphthalate	920	U		
91-94-1-----	3,3'-Dichlorobenzidine	920	U		
56-55-3-----	Benzo(a)Anthracene	1100			
218-01-9-----	Chrysene	920	U		
117-81-7-----	bis(2-Ethylhexyl)Phthalate	920	U		
117-84-0-----	Di-n-Octyl Phthalate	920	UJ		
205-99-2-----	Benzo(b)Fluoranthene	1200			
207-08-9-----	Benzo(k)Fluoranthene	740	J		
50-32-8-----	Benzo(a)Pyrene	1000			
193-39-5-----	Indeno(1,2,3-cd)Pyrene	570	J		
53-70-3-----	Dibenz(a,h)Anthracene	920	U		
191-24-2-----	Benzo(g,h,i)Perylene	520	J		

(1) - Cannot be separated from Diphenylamine

**SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS**

Non-Responsive

Sample Name: ILLINOIS EPA Contract: 0970000000
 Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853
 Matrix: (soil/water) SOIL Lab Sample ID: D334867
 Sample wt/vol: 30.1 (g/mL) G Lab File ID: B0605E04
 Level: (low/med) LOW Date Received: 05/06/93
 % Moisture: 29 decanted: (Y/N) N Date Extracted: 05/07/93
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/05/93
 Injection Volume: 2.0 (uL) Dilution Factor: 2.0
 GPC Cleanup: (Y/N) Y pH: 7.3

CONCENTRATION UNITS:
 Number TICs found: 19 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.10	1700	BJU
2. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.89	26000	JNBAU
3.	UNKNOWN ALIP. ALCOHOL	10.65	500	AJ
4.	UNKNOWN ALIP. KETONE	11.37	880	BAJU
5.	UNKNOWN	12.37	5400	J
6.	UNKNOWN	13.65	1200	J
7.	UNKNOWN ALIP. ACID	22.95	560	BJU
8.	UNKNOWN	27.69	470	J
9.	UNKNOWN BENZO FLUORENE	31.11	600	J
10.	UNKNOWN ACID ESTER	32.22	500	BJU
11.	UNKNOWN ALIP. HYDROCARBON	33.14	470	J
12.	UNKNOWN	33.31	500	J
13.	UNKNOWN	34.41	290	J
14.	UNKNOWN ALIP. HYDROCARBON	35.19	780	J
15.	UNKNOWN	37.07	890	J
16.	UNKNOWN ALIP. HYDROCARBON	37.92	4300	J
17.	UNKNOWN	38.29	6600	J
18.	UNKNOWN BENZO PYRENE	38.92	2000	J
19.	UNKNOWN ALIP. HYDROCARBON	41.81	7200	J
-	-			

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334867

Sample wt/vol: 30.4 (g/mL) G Lab File ID: _____

% Moisture: 29 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	2.4	UJ
319-85-7-----	beta-BHC	2.4	U
319-86-8-----	delta-BHC	2.4	UJ
58-89-9-----	gamma-BHC (Lindane)	2.4	UJ
76-44-8-----	Heptachlor	2.4	U
309-00-2-----	Aldrin	2.4	U
1024-57-3-----	Heptachlor epoxide	3.3	
959-98-8-----	Endosulfan I	2.4	U
60-57-1-----	Dieldrin	4.7	P
72-55-9-----	4,4'-DDE	71	PJ
72-20-8-----	Endrin	28	
33213-65-9-----	Endosulfan II	4.6	U
50-29-3-----	4,4'-DDD	31	J
1031-07-8-----	Endosulfan sulfate	28	
50-29-3-----	4,4'-DDT	97	PJ
72-43-5-----	Methoxychlor	24	UJ
53494-70-5-----	Endrin ketone	4.6	U
7421-36-3-----	Endrin aldehyde	4.6	U
5103-71-9-----	alpha-Chlordane	26	
5103-74-2-----	gamma-Chlordane	13	
8001-35-2-----	Toxaphene	240	U
12674-11-2-----	Aroclor-1016	46	U
11104-28-2-----	Aroclor-1221	93	U
11141-16-5-----	Aroclor-1232	46	U
53469-21-9-----	Aroclor-1242	46	U
12672-29-6-----	Aroclor-1248	46	U
11097-69-1-----	Aroclor-1254	46	U
11096-82-5-----	Aroclor-1260	390	P

INORGANIC ANALYSIS DATA SHEET

Non-Responsiv

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: VACANT LOT MAYWOOD
 Lab Code: Case No.: SAS No.: SDG No.: 91
 Matrix (Soil): Lab Sample ID: B306619
 Level (Low/Med): Date Received: 05/06/93
 % Solids: -70.2-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12100			P
7440-36-0	Antimony	13.5	U	N	P
7440-38-2	Arsenic	9.47			FM
7440-39-3	Barium	129			P
7440-41-7	Beryllium	1.3			P
7440-43-9	Cadmium	9.9			P
7440-70-2	Calcium	17600	*		P
7440-47-3	Chromium	24.2			P
7440-48-4	Cobalt	11.9	B		P
7440-50-8	Copper	1160			P
7439-89-6	Iron	23500			P
7439-92-1	Lead	910	*		P
7439-95-4	Magnesium	9320			P
7439-96-5	Manganese	736			P
7439-97-6	Mercury	0.36			AV
7440-02-2	Nickel	58.0			P
7440-09-7	Potassium	2390			P
7782-49-2	Selenium	1.18	U	S,N	FM
7440-22-4	Silver	0.70	B		P
7440-23-5	Sodium	112	B		P
7440-28-0	Thallium	0.27	U		FM
7440-62-2	Vanadium	28.5			P
7440-66-6	Zinc	10700			P
	Cyanide	1.2	U		AS
	Boron	2.7	U		P

Color Before: -Black- Clarity Before: -Opaque- Texture: -Fine-

Color After: -Colorless- Clarity After: -Clear- Artifacts: _____

Comments: _____

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Non-Responsiv

b Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>		
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____	SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334868</u>		
Sample wt/vol: <u>30.0 (g/mL) G</u>	Lab File ID: <u>C0528K07</u>		
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>		
% Moisture: <u>20</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/07/93</u>		
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>05/28/93</u>		
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>1.0</u>		
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>7.9</u>	CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2-----	Phenol	410	U
111-44-4-----	bis(2-Chloroethyl) Ether	410	U
95-57-8-----	2-Chlorophenol	410	U
541-73-1-----	1,3-Dichlorobenzene	410	U
106-46-7-----	1,4-Dichlorobenzene	410	U
95-50-1-----	1,2-Dichlorobenzene	410	U
95-48-7-----	2-Methylphenol	410	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	410	UJ
106-44-5-----	4-Methylphenol	410	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	410	UJ
67-72-1-----	Hexachloroethane	410	U
98-95-3-----	Nitrobenzene	410	U
78-59-1-----	Isophorone	410	U
88-75-5-----	2-Nitrophenol	410	U
105-67-9-----	2,4-Dimethylphenol	410	U
111-91-1-----	bis(2-Chloroethoxy)Methane	410	U
120-83-2-----	2,4-Dichlorophenol	410	U
120-82-1-----	1,2,4-Trichlorobenzene	410	U
91-20-3-----	Naphthalene	410	U
106-47-8-----	4-Chloroaniline	410	UJ
87-68-3-----	Hexachlorobutadiene	410	U
59-50-7-----	4-Chloro-3-Methylphenol	410	U
91-57-6-----	2-Methylnaphthalene	410	U
77-47-4-----	Hexachlorocyclopentadiene	410	UJ
88-06-2-----	2,4,6-Trichlorophenol	410	U
95-95-4-----	2,4,5-Trichlorophenol	1000	U
91-58-7-----	2-Chloronaphthalene	410	U
88-74-4-----	2-Nitroaniline	1000	U
131-11-3-----	Dimethylphthalate	410	U
208-96-8-----	Acenaphthylene	410	U
606-20-2-----	2,6-Dinitrotoluene	410	U
99-09-2-----	3-Nitroaniline	1000	U
83-32-9-----	Acenaphthene	410	U

SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

b Name: <u>ILLINOIS EPA</u>		Contract: <u>0970000000</u>	<input type="checkbox"/> Non-Responsive
Lab Code: <u>SPFLD</u>		Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID: <u>D334868</u>	
Sample wt/vol: <u>30.0</u> (g/mL) <u>G</u>		Lab File ID: <u>C0528K07</u>	
Level: (low/med) <u>LOW</u>		Date Received: <u>05/06/93</u>	
‡ Moisture: <u>20</u> decanted: (Y/N) <u>N</u>		Date Extracted: <u>05/07/93</u>	
Concentrated Extract Volume: <u>500.0</u> (uL)		Date Analyzed: <u>05/28/93</u>	
Injection Volume: <u>2.0</u> (uL)		Dilution Factor: <u>1.0</u>	
GPC Cleanup: (Y/N) <u>Y</u> pH: <u>7.9</u>		CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q	
CAS NO.	COMPOUND		
51-28-5-----	2,4-Dinitrophenol	1000	XR
100-02-7-----	4-Nitrophenol	1000	UJ
132-64-9-----	Dibenzofuran	410	U
121-14-2-----	2,4-Dinitrotoluene	410	UJ
84-66-2-----	Diethylphthalate	410	U
7005-72-3-----	4-Chlorophenyl-phenylether	410	U
86-73-7-----	Fluorene	410	U
100-10-6-----	4-Nitroaniline	1000	UJ
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	410	U
101-55-3-----	4-Bromophenyl-phenylether	410	U
118-74-1-----	Hexachlorobenzene	410	UJ
87-86-5-----	Pentachlorophenol	1000	U
85-01-8-----	Phenanthrene	94	J
120-12-7-----	Anthracene	410	U
86-74-8-----	Carbazole	410	U
84-74-2-----	Di-n-Butylphthalate	720	Bu
206-44-0-----	Fluoranthene	200	J
129-00-0-----	Pyrene	170	J
85-68-7-----	Butylbenzylphthalate	410	U
91-94-1-----	3,3'-Dichlorobenzidine	410	U
56-55-3-----	Benzo(a)Anthracene	110	J
218-01-9-----	Chrysene	410	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	99	J
117-84-0-----	Di-n-Octyl Phthalate	410	U
205-99-2-----	Benzo(b)Fluoranthene	270	J
207-08-9-----	Benzo(k)Fluoranthene	410	U
50-32-8-----	Benzo(a)Pyrene	410	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3-----	Dibenz(a,h)Anthracene	410	U
191-24-2-----	Benzo(g,h,i)Perylene	410	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

› Name: ILLINOIS EPA

Contract: 0970000000

Non-Responsiv

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334868

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: C0528K07

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 05/28/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CONCENTRATION UNITS:

Number TICs found: 15

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.37	2300	BJU am
2. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.05	52000	JNBA am
3.	UNKNOWN ALIP. KETONE	10.30	1300	BAJU am
4.	UNKNOWN	11.19	7400	J
5.	UNKNOWN	12.32	2600	BJU am
6.	UNKNOWN	14.44	250	J
7.	UNKNOWN ALIP. ACID	20.64	750	BJU am
8.	UNKNOWN ACID ESTER	28.94	570	BJU am
9.	UNKNOWN ALIP. HYDROCARBON	29.77	340	J
10.	UNKNOWN ALIP. HYDROCARBON	31.64	670	J
11.	UNKNOWN	33.37	3000	J
12.	UNKNOWN ALIP. HYDROCARBON	34.17	5100	J
13.	UNKNOWN	34.47	12000	J
14.	UNKNOWN	36.69	800	J
15.	UNKNOWN ALIP. HYDROCARBON	37.79	4200	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Non-Responsiv

~b Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334868

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
319-84-6-----	alpha-BHC	2.1	UJ	
319-85-7-----	beta-BHC	2.1	U	
319-86-8-----	delta-BHC	2.1	UJ	
58-89-9-----	gamma-BHC (Lindane)	0.20	J	
76-44-8-----	Heptachlor	0.83	J	
309-00-2-----	Aldrin	3.2	P	
1024-57-3-----	Heptachlor epoxide	2.1	U	
959-98-8-----	Endosulfan I	2.1	U	
60-57-1-----	Dieldrin	43		
72-55-9-----	4,4'-DDE	4.8	J	
72-20-8-----	Endrin	4.1	U	
33213-65-9-----	Endosulfan II	4.1	U	
50-29-3-----	4,4'-DDD	2.3	2.8 J	am
1031-07-8-----	Endosulfan sulfate	1.2	J	
50-29-3-----	4,4'-DDT	15	16 J	am
72-43-5-----	Methoxychlor	21	UJ	
53494-70-5-----	Endrin ketone	4.1	U	
7421-36-3-----	Endrin aldehyde	4.1	U	
5103-71-9-----	alpha-Chlordane	7.0		
5103-74-2-----	gamma-Chlordane	3.3		
8001-35-2-----	Toxaphene	210	U	
12674-11-2-----	Aroclor-1016	41	U	
11104-28-2-----	Aroclor-1221	84	U	
11141-16-5-----	Aroclor-1232	41	U	
53469-21-9-----	Aroclor-1242	41	U	
12672-29-6-----	Aroclor-1248	41	U	
11097-69-1-----	Aroclor-1254	41	U	
11096-82-5-----	Aroclor-1260	180	P	

INORGANIC ANALYSIS DATA SHEET

Non-Responsiv

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: VACANT LOT MAYWOOD
 Lab Code: Case No.: SAS No.: SDG No.: 91
 Matrix (Soil): Lab Sample ID: B306620
 Level (Low/Med): Date Received: 05/06/93
 % Solids: -74.7-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13700			P
7440-36-0	Antimony	12.8	B	N	P J
7440-38-2	Arsenic	9.47			FM
7440-39-3	Barium	86.9			P
7440-41-7	Beryllium	0.97			P
7440-43-9	Cadmium	3.2	U		P
7440-70-2	Calcium	23300		*	P
7440-47-3	Chromium	21.4			P
7440-48-4	Cobalt	13.4			P
7440-50-8	Copper	362			P
7439-89-6	Iron	24600			P
7439-92-1	Lead	198		*	P
7439-95-4	Magnesium	14900			P
7439-96-5	Manganese	814			P
7439-97-6	Mercury	0.11			AV
7440-02-2	Nickel	37.2			P
7440-09-7	Potassium	2440			P
7782-49-2	Selenium	1.24	U	W, N	FM J
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	67.8	B		P
7440-28-0	Thallium	0.25	U		FM J
7440-62-2	Vanadium	27.8			P
7440-66-6	Zinc	1840			P
	Cyanide	1.1	U		AS
	Boron	2.2	U		P

Color Before: -Brown Clarity Before: -Opaque Texture: -Fine
 Color After: -Colorless Clarity After: -Clear Artifacts:
 Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0970000000 X201

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334853

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0507BK05

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. 24 Date Analyzed: 05/07/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

<u>74-87-3-----Chloromethane</u>	<u>13</u>	<u>UJ</u>	<u>am</u>
<u>74-83-9-----Bromomethane</u>	<u>13</u>	<u>UJ</u>	
<u>75-01-4-----Vinyl Chloride</u>	<u>13</u>	<u>U</u>	
<u>75-00-3-----Chloroethane</u>	<u>13</u>	<u>UJ</u>	
<u>75-09-2-----Methylene Chloride</u>	<u>18</u>	<u>BU</u>	
<u>67-64-1-----Acetone</u>	<u>7</u>	<u>J</u>	
<u>75-15-0-----Carbon Disulfide</u>	<u>13</u>	<u>U</u>	
<u>75-35-4-----1,1-Dichloroethene</u>	<u>13</u>	<u>U</u>	
<u>75-34-3-----1,1-Dichloroethane</u>	<u>13</u>	<u>U</u>	
<u>540-59-0-----1,2-Dichloroethene (total)</u>	<u>13</u>	<u>U</u>	
<u>67-66-3-----Chloroform</u>	<u>13</u>	<u>BU</u>	<u>am</u>
<u>107-06-2-----1,2-Dichloroethane</u>	<u>13</u>	<u>U</u>	
<u>78-93-3-----2-Butanone</u>	<u>13</u>	<u>U</u>	
<u>71-55-6-----1,1,1-Trichloroethane</u>	<u>13</u>	<u>U</u>	
<u>56-23-5-----Carbon Tetrachloride</u>	<u>13</u>	<u>U</u>	
<u>75-27-4-----Bromodichloromethane</u>	<u>13</u>	<u>U</u>	
<u>78-87-5-----1,2-Dichloropropane</u>	<u>13</u>	<u>U</u>	
<u>10061-01-5-----cis-1,3-Dichloropropene</u>	<u>13</u>	<u>U</u>	
<u>79-01-6-----Trichloroethene</u>	<u>13</u>	<u>U</u>	
<u>124-48-1-----Dibromochloromethane</u>	<u>13</u>	<u>U</u>	
<u>79-00-5-----1,1,2-Trichloroethane</u>	<u>13</u>	<u>U</u>	
<u>71-43-2-----Benzene</u>	<u>13</u>	<u>U</u>	
<u>10061-02-6-----trans-1,3-Dichloropropene</u>	<u>13</u>	<u>U</u>	
<u>75-25-2-----Bromoform</u>	<u>13</u>	<u>U</u>	
<u>108-10-1-----4-Methyl-2-Pentanone</u>	<u>13</u>	<u>U</u>	
<u>591-78-6-----2-Hexanone</u>	<u>13</u>	<u>U</u>	
<u>127-18-4-----Tetrachloroethene</u>	<u>13</u>	<u>U</u>	
<u>79-34-5-----1,1,2,2-Tetrachloroethane</u>	<u>13</u>	<u>UJ</u>	
<u>108-88-3-----Toluene</u>	<u>13</u>	<u>U</u>	
<u>108-90-7-----Chlorobenzene</u>	<u>13</u>	<u>U</u>	
<u>100-41-4-----Ethylbenzene</u>	<u>13</u>	<u>U</u>	
<u>100-42-5-----Styrene</u>	<u>13</u>	<u>U</u>	
<u>1330-20-7-----Xylene (total)</u>	<u>13</u>	<u>U</u>	

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X201

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334853

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0507BK05

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. 24 Date Analyzed: 05/07/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

5 Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>		
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.:	SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334853</u>		
Sample wt/vol: <u>30.2</u> (g/mL) <u>G</u>	Lab File ID: <u>C0527E06</u>		
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>		
% Moisture: <u>24</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/07/93</u>		
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>05/28/93</u>		
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>1.0</u>		
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>7.7</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q	
CAS NO.	COMPOUND		
108-95-2-----Phenol		430	U
111-44-4-----bis(2-Chloroethyl)Ether		430	U
95-57-8-----2-Chlorophenol		430	U
541-73-1-----1,3-Dichlorobenzene		430	U
106-46-7-----1,4-Dichlorobenzene		430	U
95-50-1-----1,2-Dichlorobenzene		430	U
95-48-7-----2-Methylphenol		430	U
108-60-1-----2,2'-oxybis(1-Chloropropane)		430	U
106-44-5-----4-Methylphenol		430	U
621-64-7-----N-Nitroso-Di-n-Propylamine		430	U
67-72-1-----Hexachloroethane		430	U
98-95-3-----Nitrobenzene		430	U
78-59-1-----Isophorone		430	U
88-75-5-----2-Nitrophenol		430	U
105-67-9-----2,4-Dimethylphenol		430	U
111-91-1-----bis(2-Chloroethoxy)Methane		430	U
120-83-2-----2,4-Dichlorophenol		430	U
120-82-1-----1,2,4-Trichlorobenzene		430	U
91-20-3-----Naphthalene		430	U
106-47-8-----4-Chloroaniline		430	UJ
87-68-3-----Hexachlorobutadiene		430	U
59-50-7-----4-Chloro-3-Methylphenol		430	U
91-57-6-----2-Methylnaphthalene		430	U
77-47-4-----Hexachlorocyclopentadiene		430	U
88-06-2-----2,4,6-Trichlorophenol		430	U
95-95-4-----2,4,5-Trichlorophenol		1000	U
91-58-7-----2-Choronaphthalene		430	U
88-74-4-----2-Nitroaniline		1000	UJ
131-11-3-----Dimethylphthalate		430	U
208-96-8-----Acenaphthylene		430	U
606-20-2-----2,6-Dinitrotoluene		430	U
99-09-2-----3-Nitroaniline		1000	U
83-32-9-----Acenaphthene		430	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

b Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	X201
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334853</u>	
Sample wt/vol: <u>30.2</u> (g/mL) <u>G</u>	Lab File ID: <u>C0527E06</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>	
% Moisture: <u>24</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/07/93</u>	
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>05/28/93</u>	
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>1.0</u>	
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>7.7</u>	
CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q		
CAS NO.	COMPOUND	
51-28-5-----	2,4-Dinitrophenol	1000 UJ
100-02-7-----	4-Nitrophenol	1000 JR
132-64-9-----	Dibenzofuran	430 U
121-14-2-----	2,4-Dinitrotoluene	430 U
84-66-2-----	Diethylphthalate	430 U
7005-72-3-----	4-Chlorophenyl-phenylether	430 U
86-73-7-----	Fluorene	430 U
100-10-6-----	4-Nitroaniline	1000 JR
534-52-1-----	4,6-Dinitro-2-methylphenol	1000 U
86-30-6-----	N-Nitrosodiphenylamine (1)	430 U
101-55-3-----	4-Bromophenyl-phenylether	430 U
118-74-1-----	Hexachlorobenzene	430 UJ
87-86-5-----	Pentachlorophenol	1000 U
85-01-8-----	Phenanthrene	230 J
120-12-7-----	Anthracene	430 U
86-74-8-----	Carbazole	430 U
84-74-2-----	Di-n-Butylphthalate	780 JR
206-44-0-----	Fluoranthene	520 U
129-00-0-----	Pyrene	470 U
85-68-7-----	Butylbenzylphthalate	430 U
91-94-1-----	3,3'-Dichlorobenzidine	430 U
56-55-3-----	Benzo(a)Anthracene	350 J
218-01-9-----	Chrysene	430 U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	270 J
117-84-0-----	Di-n-Octyl Phthalate	430 U
205-99-2-----	Benzo(b)Fluoranthene	780 U
207-08-9-----	Benzo(k)Fluoranthene	430 U
50-32-8-----	Benzo(a)Pyrene	410 J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	210 J
53-70-3-----	Dibenz(a,h)Anthracene	430 U
191-24-2-----	Benzo(g,h,i)Perylene	430 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X201

✓ Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334853

Sample wt/vol: 30.2 (g/mL) G Lab File ID: C0527E06

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: 24 decanted: (Y/N) N Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/28/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CONCENTRATION UNITS:
Number TICs found: 26 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.43	1400	BJL am
2. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.15	28000	JNDA am
3.	UNKNOWN	11.24	3700	J
4.	UNKNOWN	12.37	2100	BJL am
5.	UNKNOWN ALIP. HYDROCARBON	17.92	600	J
6.	UNKNOWN ALIP. HYDROCARBON	19.30	600	J
7.	UNKNOWN ALIP. HYDROCARBON	20.59	510	J
8.	UNKNOWN ALIP. ACID	20.69	640	BJL am
9.	UNKNOWN ALIP. HYDROCARBON	21.80	680	J
10.	UNKNONW ALIP. HYDROCARBON	21.89	1200	J
11.	UNKNOWN ALIP. HYDROCARBON	22.97	600	J
12.	UNKNOWN ALIP. HYDROCARBON	23.10	670	J
13.	UNKNOWN ALIP. HYDROCARBON	24.09	760	J
14.	UNKNOWN ALIP. HYDROCARBON	25.138.47	450	J am
15.	UNKNOWN ALIP. HYDROCARBON	26.16	480	J
16.	UNKNOWN ALIP. HYDROCARBON	28.06	400	J
17.	UNKNOWN ACID ESTER	29.01	1600	BJL am
18.	UNKNOWN	29.72	280	J
19.	UNKNOWN ALIP. HYDROCARBON	29.82	550	J
20.	UNKNOWN	29.92	300-	J
21.	UNKNOWN ALIP. HYDROCARBON	30.71	380	J
22.	UNKNOWN	31.69	49	J
23.	UNKNOWN ALIP. HYDROCARBON	31.71	610	J
24.	UNKNOWN	32.09	110	J
25.	UNKNOWN ALIP. HYDROCARBON	32.87	330	J
26.	UNKNOWN ALIP. HYDROCARBON	34.24	2000	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0970000000

X201

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334853

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 24 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	2.2	UJ
319-85-7-----	beta-BHC	2.2	U
319-86-8-----	delta-BHC	2.2	UJ
58-89-9-----	gamma-BHC (Lindane)	2.2	UJ
76-44-8-----	Heptachlor	2.2	U
309-00-2-----	Aldrin	1.8	JP
1024-57-3-----	Heptachlor epoxide	2.2	U
959-98-8-----	Endosulfan I	2.2	U
60-57-1-----	Dieldrin	1.3	J
72-55-9-----	4,4'-DDE	46	PJ
72-20-8-----	Endrin	3.3	JP
33213-65-9-----	Endosulfan II	4.3	U
50-29-3-----	4,4'-DDD	56	PJ
1031-07-8-----	Endosulfan sulfate	13	
50-29-3-----	4,4'-DDT	55	PJ
72-43-5-----	Methoxychlor	22	UJ
53494-70-5-----	Endrin ketone	4.3	U
7421-36-3-----	Endrin aldehyde	4.3	U
5103-71-9-----	alpha-Chlordane	2.2	J
5103-74-2-----	gamma-Chlordane	1.7	J
8001-35-2-----	Toxaphene	220	U
12674-11-2-----	Aroclor-1016	43	U
11104-28-2-----	Aroclor-1221	88	U
11141-16-5-----	Aroclor-1232	43	U
53469-21-9-----	Aroclor-1242	43	U
12672-29-6-----	Aroclor-1248	43	U
11097-69-1-----	Aroclor-1254	130	P
11096-82-5-----	Aroclor-1260	200	P

PESTICIDE ORGANICS ANALYSIS DATA SHEET

X201DL

b Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334853D

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 24 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/21/93

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	22	UJ
319-85-7-----	beta-BHC	22	U
319-86-8-----	delta-BHC	22	UJ
58-89-9-----	gamma-BHC (Lindane)	22	UJ
76-44-8-----	Heptachlor	22	U
309-00-2-----	Aldrin	22	U
1024-57-3-----	Heptachlor epoxide	22	U
959-98-8-----	Endosulfan I	22	U
60-57-1-----	Dieldrin	43	U
72-55-9-----	4,4'-DDE	52	D
72-20-8-----	Endrin	43	U
33213-65-9-----	Endosulfan II	43	U
50-29-3-----	4,4'-DDD	53	D
1031-07-8-----	Endosulfan sulfate	43	U
50-29-3-----	4,4'-DDT	46	D
72-43-5-----	Methoxychlor	220	UJ
53494-70-5-----	Endrin ketone	43	U
7421-36-3-----	Endrin aldehyde	43	U
5103-71-9-----	alpha-Chlordane	22	U
5103-74-2-----	gamma-Chlordane	1.6	1.9 JD
8001-35-2-----	Toxaphene	2200	U
12674-11-2-----	Aroclor-1016	430	U
11104-28-2-----	Aroclor-1221	880	U
11141-16-5-----	Aroclor-1232	430	U
53469-21-9-----	Aroclor-1242	430	U
12672-29-6-----	Aroclor-1248	430	U
11097-69-1-----	Aroclor-1254	84	JPD
11096-82-5-----	Aroclor-1260	430	U

INORGANIC ANALYSIS DATA SHEET

X201

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: —VACANT LOT MAYWOOD—
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: —91—
 Matrix (Soil): _____ Lab Sample ID: —B306612—
 Level (Low/Med): _____ Date Received: 05/06/93
 % Solids: —77.2—

Concentration Units (mg/kg dry weight): —

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5800			P
7440-36-0	Antimony	11.8	U	N	P R
7440-38-2	Arsenic	3.89			FM
7440-39-3	Barium	31.0			P
7440-41-7	Beryllium	0.51	B		P
7440-43-9	Cadmium	1.3	U B		P
7440-70-2	Calcium	54300		*	P
7440-47-3	Chromium	12.2			P
7440-48-4	Cobalt	6.0	B		P
7440-50-8	Copper	17.2			P
7439-89-6	Iron	13600			P
7439-92-1	Lead	18.9		S	FM
7439-95-4	Magnesium	28800			P
7439-96-5	Manganese	505			P
7439-97-6	Mercury	0.18			AV
7440-02-2	Nickel	14.5			P
7440-09-7	Potassium	1390			P
7782-49-2	Selenium	0.25	U	W, N	FM J
7440-22-4	Silver	0.64	U		P
7440-23-5	Sodium	183	B		P
7440-28-0	Thallium	0.25	U		FM J
7440-62-2	Vanadium	15.6			P
7440-66-6	Zinc	70.7			P
	Cyanide	1.1	U		AS
	Boron	2.4	U		P

Color Before: —Brown— Clarity Before: —Opaque— Texture: Sand-Med

Color After: —Colorless— Clarity After: —Clear— Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202RE

✓ b Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334854RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0511BK06

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. 27 Date Analyzed: 05/11/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>74-87-3-----Chloromethane</u>	<u>14</u>	<u>UJ</u>	
<u>74-83-9-----Bromomethane</u>	<u>14</u>	<u>UJ</u>	
<u>75-01-4-----Vinyl Chloride</u>	<u>14</u>	<u>U</u>	
<u>75-00-3-----Chloroethane</u>	<u>14</u>	<u>UJ</u>	
<u>75-09-2-----Methylene Chloride</u>	<u>14</u>	<u>UJ</u>	<u>am</u>
<u>67-64-1-----Acetone</u>	<u>21</u>		
<u>75-15-0-----Carbon Disulfide</u>	<u>3</u>	<u>J</u>	
<u>75-35-4-----1,1-Dichloroethene</u>	<u>14</u>	<u>U</u>	
<u>75-34-3-----1,1-Dichloroethane</u>	<u>14</u>	<u>U</u>	
<u>540-59-0-----1,2-Dichloroethene (total)</u>	<u>91</u>		
<u>67-66-3-----Chloroform</u>	<u>14</u>	<u>U</u>	
<u>107-06-2-----1,2-Dichloroethane</u>	<u>14</u>	<u>U</u>	
<u>78-93-3-----2-Butanone</u>	<u>4</u>	<u>J</u>	
<u>71-55-6-----1,1,1-Trichloroethane</u>	<u>14</u>	<u>U</u>	
<u>56-23-5-----Carbon Tetrachloride</u>	<u>14</u>	<u>U</u>	
<u>75-27-4-----Bromodichloromethane</u>	<u>14</u>	<u>U</u>	
<u>78-87-5-----1,2-Dichloropropane</u>	<u>14</u>	<u>U</u>	
<u>10061-01-5-----cis-1,3-Dichloropropene</u>	<u>14</u>	<u>U</u>	
<u>79-01-6-----Trichloroethene</u>	<u>60</u>		
<u>124-48-1-----Dibromochloromethane</u>	<u>14</u>	<u>U</u>	
<u>79-00-5-----1,1,2-Trichloroethane</u>	<u>14</u>	<u>U</u>	
<u>71-43-2-----Benzene</u>	<u>14</u>	<u>U</u>	
<u>10061-02-6-----trans-1,3-Dichloropropene</u>	<u>14</u>	<u>U</u>	
<u>75-25-2-----Bromoform</u>	<u>14</u>	<u>U</u>	
<u>108-10-1-----4-Methyl-2-Pentanone</u>	<u>14</u>	<u>UJ</u>	
<u>591-78-6-----2-Hexanone</u>	<u>14</u>	<u>UJ</u>	
<u>127-18-4-----Tetrachloroethene</u>	<u>14</u>	<u>UJ</u>	
<u>79-34-5-----1,1,2,2-Tetrachloroethane</u>	<u>14</u>	<u>UJ</u>	
<u>108-88-3-----Toluene</u>	<u>14</u>	<u>UJ</u>	
<u>108-90-7-----Chlorobenzene</u>	<u>14</u>	<u>UJ</u>	
<u>100-41-4-----Ethylbenzene</u>	<u>14</u>	<u>UJ</u>	
<u>100-42-5-----Styrene</u>	<u>14</u>	<u>UJ</u>	
<u>1330-20-7-----Xylene (total)</u>	<u>14</u>	<u>UJ</u>	

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ILLINOIS EPA

Contract: 0970000000

X202RE

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334854RE

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C0511BK06

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: not dec. 27

Date Analyzed: 05/11/93

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-18-3	METHANE, THIOBIS-	7.27	22	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

b Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334854

Sample wt/vol: 1.2 (g/mL) G Lab File ID: C0601K08

Level: (low/med) MED Date Received: 05/06/93

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/12/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/01/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

<u>108-95-2-----Phenol</u>	<u>8300</u>	<u>U</u>
<u>111-44-4-----bis(2-Chloroethyl)Ether</u>	<u>8300</u>	<u>U</u>
<u>95-57-8-----2-Chlorophenol</u>	<u>8300</u>	<u>U</u>
<u>541-73-1-----1,3-Dichlorobenzene</u>	<u>8300</u>	<u>U</u>
<u>106-46-7-----1,4-Dichlorobenzene</u>	<u>8300</u>	<u>U</u>
<u>95-50-1-----1,2-Dichlorobenzene</u>	<u>8300</u>	<u>U</u>
<u>95-48-7-----2-Methylphenol</u>	<u>8300</u>	<u>U</u>
<u>108-60-1-----2,2'-oxybis(1-Chloropropane)</u>	<u>8300</u>	<u>UJ</u>
<u>106-44-5-----4-Methylphenol</u>	<u>8300</u>	<u>U</u>
<u>621-64-7-----N-Nitroso-Di-n-Propylamine</u>	<u>8300</u>	<u>UJ</u>
<u>67-72-1-----Hexachloroethane</u>	<u>8300</u>	<u>U</u>
<u>98-95-3-----Nitrobenzene</u>	<u>8300</u>	<u>U</u>
<u>78-59-1-----Isophorone</u>	<u>8300</u>	<u>U</u>
<u>88-75-5-----2-Nitrophenol</u>	<u>8300</u>	<u>U</u>
<u>105-67-9-----2,4-Dimethylphenol</u>	<u>8300</u>	<u>U</u>
<u>111-91-1-----bis(2-Chloroethoxy)Methane</u>	<u>8300</u>	<u>U</u>
<u>120-83-2-----2,4-Dichlorophenol</u>	<u>8300</u>	<u>U</u>
<u>120-82-1-----1,2,4-Trichlorobenzene</u>	<u>8300</u>	<u>U</u>
<u>91-20-3-----Naphthalene</u>	<u>8300</u>	<u>U</u>
<u>106-47-8-----4-Chloroaniline</u>	<u>8300</u>	<u>UJ</u>
<u>87-68-3-----Hexachlorobutadiene</u>	<u>8300</u>	<u>U</u>
<u>59-50-7-----4-Chloro-3-Methylphenol</u>	<u>8300</u>	<u>U</u>
<u>91-57-6-----2-Methylnaphthalene</u>	<u>8300</u>	<u>U</u>
<u>77-47-4-----Hexachlorocyclopentadiene</u>	<u>8300</u>	<u>U</u>
<u>88-06-2-----2,4,6-Trichlorophenol</u>	<u>8300</u>	<u>U</u>
<u>95-95-4-----2,4,5-Trichlorophenol</u>	<u>21000</u>	<u>U</u>
<u>91-58-7-----2-Choronaphthalene</u>	<u>8300</u>	<u>U</u>
<u>88-74-4-----2-Nitroaniline</u>	<u>21000</u>	<u>UJ</u>
<u>131-11-3-----Dimethylphthalate</u>	<u>8300</u>	<u>U</u>
<u>208-96-8-----Acenaphthylene</u>	<u>8300</u>	<u>U</u>
<u>606-20-2-----2,6-Dinitrotoluene</u>	<u>8300</u>	<u>U</u>
<u>99-09-2-----3-Nitroaniline</u>	<u>21000</u>	<u>U</u>
<u>83-32-9-----Acenaphthene</u>	<u>8300</u>	<u>U</u>

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334854

Sample wt/vol: 1.2 (g/mL) G Lab File ID: C0601K08

Level: (low/med) MED Date Received: 05/06/93

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/12/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/01/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	21000	UJ	
100-02-7-----	4-Nitrophenol	21000	UR	am
132-64-9-----	Dibenzofuran	8300	U	
121-14-2-----	2,4-Dinitrotoluene	8300	U	
84-66-2-----	Diethylphthalate	8300	U	
7005-72-3-----	4-Chlorophenyl-phenylether	8300	U	
86-73-7-----	Fluorene	8300	U	
100-10-6-----	4-Nitroaniline	21000	UR	am
534-52-1-----	4,6-Dinitro-2-methylphenol	21000	U	
86-30-6-----	N-Nitrosodiphenylamine (1)	8300	U	
101-55-3-----	4-Bromophenyl-phenylether	8300	U	
118-74-1-----	Hexachlorobenzene	8300	UJ	
87-86-5-----	Pentachlorophenol	21000	U	
85-01-8-----	Phenanthrene	8300	U	
120-12-7-----	Anthracene	8300	U	
86-74-8-----	Carbazole	8300	U	
84-74-2-----	Di-n-Butylphthalate	8300	U	
206-44-0-----	Fluoranthene	3900	J	
129-00-0-----	Pyrene	42008300	UJ	am
85-68-7-----	Butylbenzylphthalate	8300	U	
91-94-1-----	3,3'-Dichlorobenzidine	8300	U	
56-55-3-----	Benzo(a)Anthracene	2800	J	
218-01-9-----	Chrysene	8300	U	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	13000		
117-84-0-----	Di-n-Octyl Phthalate	8300	U	
205-99-2-----	Benzo(b)Fluoranthene	8300	U	
207-08-9-----	Benzo(k)Fluoranthene	8300	U	
50-32-8-----	Benzo(a)Pyrene	2000	J	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	8300	U	
53-70-3-----	Dibenz(a,h)Anthracene	8300	U	
191-24-2-----	Benzo(g,h,i)Perylene	8300	U	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X202

b Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334854

Sample wt/vol: 1.2 (g/mL) G Lab File ID: C0601K08

Level: (low/med) MED Date Received: 05/06/93

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/12/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/01/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 4337-65-9	HX.DIOICACIDMONO(2ET.HX.)EST	28.96	170000	JN
2.	UNKNOWN	30.77	7500	J
3.	UNKNOWN	31.09	15000	J
4.	UNKNOWN PHTHALATE	31.46	30000	J
5.	UNKNOWN	31.56	6000	J
6.	UNKNOWN PHTHALATE	32.84	8200	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>		
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____	SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334854</u>		
Sample wt/vol: <u>30.4</u> (g/mL) <u>G</u>	Lab File ID: _____		
% Moisture: <u>27</u>	decanted: (Y/N) <u>N</u>	Date Received: <u>05/06/93</u>	
Extraction: (SepF/Cont/Sonc)	<u>SONC</u>	Date Extracted: <u>05/12/93</u>	
Concentrated Extract Volume: <u>5000</u> (uL)	Date Analyzed: <u>05/22/93</u>		
Injection Volume: <u>2.00</u> (uL)	Dilution Factor: <u>1.00</u>		
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>7.6</u>	Sulfur Cleanup: (Y/N) <u>N</u>	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	2.3	UJ
319-85-7-----	beta-BHC	2.3	U
319-86-8-----	delta-BHC	2.3	UJ
58-89-9-----	gamma-BHC (Lindane)	2.0	J
76-44-8-----	Heptachlor	2.3	U
309-00-2-----	Aldrin	10	P
1024-57-3-----	Heptachlor epoxide	2.3	U
959-98-8-----	Endosulfan I	2.3	U
60-57-1-----	Dieldrin	6.0	P
72-55-9-----	4,4'-DDE	4.5	UJ
72-20-8-----	Endrin	4.5	U
33213-65-9-----	Endosulfan II	28	
50-29-3-----	4,4'-DDD	4.5	UJ
1031-07-8-----	Endosulfan sulfate	47	
50-29-3-----	4,4'-DDT	4.3	JP
72-43-5-----	Methoxychlor	23	UJ
53494-70-5-----	Endrin ketone	23	P
7421-36-3-----	Endrin aldehyde	4.5	U
5103-71-9-----	alpha-Chlordane	12	
5103-74-2-----	gamma-Chlordane	7.1	P
8001-35-2-----	Toxaphene	230	U
12674-11-2-----	Aroclor-1016	45	U
11104-28-2-----	Aroclor-1221	91	U
11141-16-5-----	Aroclor-1232	45	U
53469-21-9-----	Aroclor-1242	45	U
12672-29-6-----	Aroclor-1248	45	U
11097-69-1-----	Aroclor-1254	840	
11096-82-5-----	Aroclor-1260	1300	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202DL

b Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334854D

Sample wt/vol: 30.4 (g/mL) G Lab File ID: _____

% Moisture: 27 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/21/93

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q	
319-84-6-----	alpha-BHC	23	UJ
319-85-7-----	beta-BHC	23	U
319-86-8-----	delta-BHC	23	UJ
58-89-9-----	gamma-BHC (Lindane)	23	UJ
76-44-8-----	Heptachlor	23	U
309-00-2-----	Aldrin	16	JPD
1024-57-3-----	Heptachlor epoxide	23	U
959-98-8-----	Endosulfan I	23	U
60-57-1-----	Dieldrin	7.7	JPD
72-55-9-----	4,4'-DDE	45	U
72-20-8-----	Endrin	45	U
33213-65-9-----	Endosulfan II	9.3	JPD
50-29-3-----	4,4'-DDD	45	U
1031-07-8-----	Endosulfan sulfate	55	PD
50-29-3-----	4,4'-DDT	8.7	JPD
72-43-5-----	Methoxychlor	230	UJ
53494-70-5-----	Endrin ketone	28	JD
7421-36-3-----	Endrin aldehyde	45	U
5103-71-9-----	alpha-Chlordane	23	U
5103-74-2-----	gamma-Chlordane	7.2	JPD
8001-35-2-----	Toxaphene	2300	U
12674-11-2-----	Aroclor-1016	450	U
11104-28-2-----	Aroclor-1221	910	U
11141-16-5-----	Aroclor-1232	450	U
53469-21-9-----	Aroclor-1242	450	U
12672-29-6-----	Aroclor-1248	450	U
11097-69-1-----	Aroclor-1254	800	D
11096-82-5-----	Aroclor-1260	880	PD

INORGANIC ANALYSIS DATA SHEET

X202

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: —VACANT LOT MAYWOOD—
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: —91—
 Matrix (Soil): _____ Lab Sample ID: —B306611—
 Level (Low/Med): _____ Date Received: 05/06/93
 % Solids: —58.6—

Concentration Units (mg/kg dry weight): —

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6270			P
7440-36-0	Antimony	17.2	B	N	P J
7440-38-2	Arsenic	9.37			FM
7440-39-3	Barium	81.2			P
7440-41-7	Beryllium	5.1			P
7440-43-9	Cadmium	3.3			P
7440-70-2	Calcium	52200		*	P
7440-47-3	Chromium	29.0			P
7440-48-4	Cobalt	7.2	B		P
7440-50-8	Copper	3120			P
7439-89-6	Iron	19000			P
7439-92-1	Lead	1410		*	P
7439-95-4	Magnesium	26900			P
7439-96-5	Manganese	476			P
7439-97-6	Mercury	0.47			AV
7440-02-2	Nickel	60.1			P
7440-09-7	Potassium	637	B		P
7782-49-2	Selenium	0.57	B	W, N	FM J
7440-22-4	Silver	0.80	B		P
7440-23-5	Sodium	808	B		P
7440-28-0	Thallium	0.35	U		FM J
7440-62-2	Vanadium	14.1			P
7440-66-6	Zinc	9480			P
	Cyanide	1.4	U		AS
	Boron	109			P

Color Before: —Black— Clarity Before: —Opaque— Texture: —Fine—
 Color After: —Colorless— Clarity After: —Clear— Artifacts: _____
 Comments: _____

B000014

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203RE

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334855RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0511BK11

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. 24 Date Analyzed: 05/11/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>74-87-3-----Chloromethane</u>	<u>13</u>	<u>UJ</u>	<i>am</i>
<u>74-83-9-----Bromomethane</u>	<u>13</u>	<u>UJ</u>	
<u>75-01-4-----Vinyl Chloride</u>	<u>58</u>		
<u>75-00-3-----Chloroethane</u>	<u>13</u>	<u>UJ</u>	
<u>75-09-2-----Methylene Chloride</u>	<u>32</u>	<u>BU</u>	
<u>67-64-1-----Acetone</u>	<u>400</u>	<u>E</u>	
<u>75-15-0-----Carbon Disulfide</u>	<u>13</u>	<u>U</u>	
<u>75-35-4-----1,1-Dichloroethene</u>	<u>13</u>	<u>U</u>	
<u>75-34-3-----1,1-Dichloroethane</u>	<u>47</u>		
<u>540-59-0-----1,2-Dichloroethene (total)</u>	<u>640</u>	<u>E</u>	
<u>67-66-3-----Chloroform</u>	<u>4</u>	<u>J</u>	
<u>107-06-2-----1,2-Dichloroethane</u>	<u>13</u>	<u>U</u>	
<u>78-93-3-----2-Butanone</u>	<u>7</u>	<u>J</u>	
<u>71-55-6-----1,1,1-Trichloroethane</u>	<u>230</u>		
<u>56-23-5-----Carbon Tetrachloride</u>	<u>13</u>	<u>U</u>	
<u>75-27-4-----Bromodichloromethane</u>	<u>13</u>	<u>U</u>	
<u>78-87-5-----1,2-Dichloropropane</u>	<u>13</u>	<u>U</u>	
<u>10061-01-5-----cis-1,3-Dichloropropene</u>	<u>13</u>	<u>U</u>	
<u>79-01-6-----Trichloroethene</u>	<u>82</u>		
<u>124-48-1-----Dibromochloromethane</u>	<u>13</u>	<u>U</u>	
<u>79-00-5-----1,1,2-Trichloroethane</u>	<u>13</u>	<u>U</u>	
<u>71-43-2-----Benzene</u>	<u>13</u>	<u>U</u>	
<u>10061-02-6-----trans-1,3-Dichloropropene</u>	<u>13</u>	<u>U</u>	
<u>75-25-2-----Bromoform</u>	<u>13</u>	<u>U</u>	
<u>108-10-1-----4-Methyl-2-Pentanone</u>	<u>3</u>	<u>J</u>	
<u>591-78-6-----2-Hexanone</u>	<u>13</u>	<u>UJ</u>	
<u>127-18-4-----Tetrachloroethene</u>	<u>11</u>	<u>J</u>	
<u>79-34-5-----1,1,2,2-Tetrachloroethane</u>	<u>13</u>	<u>UJ</u>	
<u>108-88-3-----Toluene</u>	<u>10</u>	<u>J</u>	
<u>108-90-7-----Chlorobenzene</u>	<u>13</u>	<u>UJ</u>	
<u>100-41-4-----Ethylbenzene</u>	<u>5</u>	<u>J</u>	
<u>100-42-5-----Styrene</u>	<u>13</u>	<u>UJ</u>	
<u>1330-20-7-----Xylene (total)</u>	<u>31</u>	<u>J</u>	

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X203RE

Lab Name: ILLINOIS EPA Contract: 0970000000Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853Matrix: (soil/water) SOILLab Sample ID: D334855RESample wt/vol: 5.0 (g/mL) GLab File ID: C0511BK11Level: (low/med) LOWDate Received: 05/06/93% Moisture: not dec. 24Date Analyzed: 05/11/93GC Column: DB-624 ID: 0.530 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	19.00	250	J
2.	UNKNOWN	20.25	100	J
3. 110-43-0	2-HEPTANONE	20.30	110	JN
4.	UNKNOWN	20.94	100	J
5.	C3-SUBSTITUTED BENZENE	21.69	44	J
6.	UNKNOWN	21.79	280	J
7.	UNKNOWN ALIP. HYDROCARBON	21.80	230	J
8.	C3-SUBSTITUTED BENZENE	21.82	56	J
9.	UNKNOWN	22.24	19	J
10.	UNKNOWN ALIP. HYDROCARBON	22.35	220	J
11.	UNKNOWN	22.52	26	J
12.	C3-SUBSTITUTED BENZENE	22.54	42	J
13.	UNKNOWN	22.64	18	J
14.	UNKNOWN	22.77	86	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203DL

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334855DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0513BK04

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. 24 Date Analyzed: 05/13/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>74-87-3-----Chloromethane</u>	<u>66</u>	<u>UJ</u>	
<u>74-83-9-----Bromomethane</u>	<u>66</u>	<u>UJ</u>	
<u>75-01-4-----Vinyl Chloride</u>	<u>86</u>		
<u>75-00-3-----Chloroethane</u>	<u>66</u>	<u>UJ</u>	
<u>75-09-2-----Methylene Chloride</u>	<u>76</u>	<u>BL</u>	<u>am</u>
<u>67-64-1-----Acetone</u>	<u>1200</u>		
<u>75-15-0-----Carbon Disulfide</u>	<u>66</u>	<u>U</u>	
<u>75-35-4-----1,1-Dichloroethene</u>	<u>66</u>	<u>U</u>	
<u>75-34-3-----1,1-Dichloroethane</u>	<u>110</u>		
<u>540-59-0-----1,2-Dichloroethene (total)</u>	<u>1300</u>		
<u>67-66-3-----Chloroform</u>	<u>21</u>	<u>BLU</u>	<u>am</u>
<u>107-06-2-----1,2-Dichloroethane</u>	<u>66</u>	<u>U</u>	
<u>78-93-3-----2-Butanone</u>	<u>21</u>	<u>J</u>	
<u>71-55-6-----1,1,1-Trichloroethane</u>	<u>860</u>	<u>J</u>	
<u>56-23-5-----Carbon Tetrachloride</u>	<u>66</u>	<u>UJ</u>	
<u>75-27-4-----Bromodichloromethane</u>	<u>66</u>	<u>UJ</u>	
<u>78-87-5-----1,2-Dichloropropane</u>	<u>66</u>	<u>UJ</u>	
<u>10061-01-5-----cis-1,3-Dichloropropene</u>	<u>66</u>	<u>UJ</u>	
<u>79-01-6-----Trichloroethene</u>	<u>140</u>	<u>J</u>	
<u>124-48-1-----Dibromochloromethane</u>	<u>66</u>	<u>UJ</u>	
<u>79-00-5-----1,1,2-Trichloroethane</u>	<u>66</u>	<u>UJ</u>	
<u>71-43-2-----Benzene</u>	<u>66</u>	<u>UJ</u>	
<u>10061-02-6-----trans-1,3-Dichloropropene</u>	<u>66</u>	<u>UJ</u>	
<u>75-25-2-----Bromoform</u>	<u>66</u>	<u>UJ</u>	
<u>108-10-1-----4-Methyl-2-Pentanone</u>	<u>66</u>	<u>UJ</u>	
<u>591-78-6-----2-Hexanone</u>	<u>66</u>	<u>UJ</u>	
<u>127-18-4-----Tetrachloroethene</u>	<u>49</u>	<u>J</u>	
<u>79-34-5-----1,1,2,2-Tetrachloroethane</u>	<u>66</u>	<u>UJ</u>	
<u>108-88-3-----Toluene</u>	<u>66</u>	<u>UJ</u>	
<u>108-90-7-----Chlorobenzene</u>	<u>66</u>	<u>UJ</u>	
<u>100-41-4-----Ethylbenzene</u>	<u>66</u>	<u>UJ</u>	
<u>100-42-5-----Styrene</u>	<u>66</u>	<u>UJ</u>	
<u>1330-20-7-----Xylene (total)</u>	<u>39</u>	<u>J</u>	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 0970000000 X203DL

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334855DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0513BK04

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. 24 Date Analyzed: 05/13/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-43-0	2-HEPTANONE	20.29	110	JN
2.	UNKNOWN	20.49	100	J
3.	UNKNOWN ALIP. HYDROCARBON	21.77	240	J
4.	UNKNOWN ALIP. HYDROCARBON	22.34	200	J
5.	C3-SUBSTITUTED BENZENE	22.54	63	J
6.	UNKNOWN	22.74	90	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

--b Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334855

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0601K04

Level: (low/med) MED Date Received: 05/06/93

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/12/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/01/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
108-95-2-----	Phenol	9600	U
111-44-4-----	bis(2-Chloroethyl)Ether	9600	U
95-57-8-----	2-Chlorophenol	9600	U
541-73-1-----	1,3-Dichlorobenzene	9600	U
106-46-7-----	1,4-Dichlorobenzene	9600	U
95-50-1-----	1,2-Dichlorobenzene	9600	U
95-48-7-----	2-Methylphenol	9600	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	9600	UJ
106-44-5-----	4-Methylphenol	9600	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	9600	UJ
67-72-1-----	Hexachloroethane	9600	U
98-95-3-----	Nitrobenzene	9600	U
78-59-1-----	Isophorone	9600	U
88-75-5-----	2-Nitrophenol	9600	U
105-67-9-----	2,4-Dimethylphenol	9600	U
111-91-1-----	bis(2-Chloroethoxy)Methane	9600	U
120-83-2-----	2,4-Dichlorophenol	9600	U
120-82-1-----	1,2,4-Trichlorobenzene	9600	U
91-20-3-----	Naphthalene	9600	U
106-47-8-----	4-Chloroaniline	9600	UJ
87-68-3-----	Hexachlorobutadiene	9600	U
59-50-7-----	4-Chloro-3-Methylphenol	9600	U
91-57-6-----	2-Methylnaphthalene	9600	U
77-47-4-----	Hexachlorocyclopentadiene	9600	U
88-06-2-----	2,4,6-Trichlorophenol	9600	U
95-95-4-----	2,4,5-Trichlorophenol	24000	U
91-58-7-----	2-Chloronaphthalene	9600	U
88-74-4-----	2-Nitroaniline	24000	UJ
131-11-3-----	Dimethylphthalate	9600	U
208-96-8-----	Acenaphthylene	9600	U
606-20-2-----	2,6-Dinitrotoluene	9600	U
99-09-2-----	3-Nitroaniline	24000	U
83-32-9-----	Acenaphthene	9600	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>			
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.:	SDG No.: <u>334853</u>	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334855</u>			
Sample wt/vol: <u>1.0</u> (g/mL) <u>G</u>	Lab File ID: <u>C0601K04</u>			
Level: (low/med) <u>MED</u>	Date Received: <u>05/06/93</u>			
% Moisture: _____	decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/12/93</u>		
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>06/01/93</u>			
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>1.0</u>			
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>7.3</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>		
CAS NO.	COMPOUND	Q		
51-28-5-----	2,4-Dinitrophenol	24000	UJ	
100-02-7-----	4-Nitrophenol	24000	YR	am
132-64-9-----	Dibenzofuran	9600	U	
121-14-2-----	2,4-Dinitrotoluene	9600	U	
84-66-2-----	Diethylphthalate	9600	U	
7005-72-3-----	4-Chlorophenyl-phenylether	9600	U	
86-73-7-----	Fluorene	9600	U	
100-10-6-----	4-Nitroaniline	24000	YR	am
534-52-1-----	4,6-Dinitro-2-methylphenol	24000	U	
86-30-6-----	N-Nitrosodiphenylamine (1)	9600	U	
101-55-3-----	4-Bromophenyl-phenylether	9600	U	
118-74-1-----	Hexachlorobenzene	9600	UJ	
87-86-5-----	Pentachlorophenol	24000	U	
85-01-8-----	Phenanthrene	2100	J	
120-12-7-----	Anthracene	9600	U	
86-74-8-----	Carbazole	9600	U	
84-74-2-----	Di-n-Butylphthalate	9600	U	
206-44-0-----	Fluoranthene	3400	J	
129-00-0-----	Pyrene	3500	J	
85-68-7-----	Butylbenzylphthalate	9600	U	
91-94-1-----	3,3'-Dichlorobenzidine	9600	U	
56-55-3-----	Benzo(a)Anthracene	9600	U	
218-01-9-----	Chrysene	9600	U	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	34000		
117-84-0-----	Di-n-Octyl Phthalate	9600	U	
205-99-2-----	Benzo(b)Fluoranthene	9600	U	
207-08-9-----	Benzo(k)Fluoranthene	9600	U	
50-32-8-----	Benzo(a)Pyrene	9600	U	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	9600	U	
53-70-3-----	Dibenz(a,h)Anthracene	9600	U	
191-24-2-----	Benzo(g,h,i)Perylene	9600	U	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

> Name: ILLINOIS EPA Contract: 0970000000 X203

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334855

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0601K04

Level: (low/med) MED Date Received: 05/06/93

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/12/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/01/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CONCENTRATION UNITS:
Number TICs found: 15 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.67	12000	J
2.	UNKNOWN	22.40	2200	J
3.	UNKNOWN ACID ESTER	28.96	300000	J
4.	UNKNOWN BENZAMIDE	29.77	33000	J
5.	UNKNOWN BENZAMIDE	29.87	47000	J
6.	UNKNOWN BENZAMIDE	30.11	5500	J
7.	UNKNOWN BENZAMIDE	30.12	5200	J
8.	UNKNOWN	31.09	4300	J
9.	UNKNOWN	33.17	980	J
10.	UNKNOWN	33.37	2200	J
11.	UNKNOWN	33.52	1600	J
12.	UNKNOWN ALIP. HYDROCARBON	34.16	5400	J
13.	UNKNOWN	37.12	6700	J
14.	UNKNOWN	38.66	4400	J
15.	UNKNOWN	39.36	10000	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

b Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334855

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 25 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	2.3	UJ
319-85-7-----	beta-BHC	2.3	U
319-86-8-----	delta-BHC	2.3	UJ
58-89-9-----	gamma-BHC (Lindane)	2.3	UJ
76-44-8-----	Heptachlor	2.0	JP
309-00-2-----	Aldrin	11	P
1024-57-3-----	Heptachlor epoxide	2.3	U
959-98-8-----	Endosulfan I	2.3	U
60-57-1-----	Dieldrin	2.3	JP
72-55-9-----	4, 4'-DDE	4.4	UJ
72-20-8-----	Endrin	100	P
33213-65-9-----	Endosulfan II	4.4	U
50-29-3-----	4, 4'-DDD	4.4	UJ
1031-07-8-----	Endosulfan sulfate	4.4	U
50-29-3-----	4, 4'-DDT	42	PJ
72-43-5-----	Methoxychlor	23	UJ
53494-70-5-----	Endrin ketone	4.4	U
7421-36-3-----	Endrin aldehyde	4.4	U
5103-71-9-----	alpha-Chlordane	3.1	P
5103-74-2-----	gamma-Chlordane	22	
8001-35-2-----	Toxaphene	230	U
12674-11-2-----	Aroclor-1016	44	U
11104-28-2-----	Aroclor-1221	89	U
11141-16-5-----	Aroclor-1232	44	U
53469-21-9-----	Aroclor-1242	44	U
12672-29-6-----	Aroclor-1248	44	U
11097-69-1-----	Aroclor-1254	1700	P
11096-82-5-----	Aroclor-1260	2400	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203DL

Lab Name: ILLINOIS EPA Contract: 0970000000
 Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853
 Matrix: (soil/water) SOIL Lab Sample ID: D334855D
 Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____
 % Moisture: 25 decanted: (Y/N) N Date Received: 05/06/93
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/21/93
 Injection Volume: 2.00 (uL) Dilution Factor: 10.0
 GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	1.6	JPD
319-85-7-----	beta-BHC	23	U
319-86-8-----	delta-BHC	23	UJ
58-89-9-----	gamma-BHC (Lindane)	23	UJ
76-44-8-----	Heptachlor	23	U
309-00-2-----	Aldrin	13	JPD
1024-57-3-----	Heptachlor epoxide	23	U
959-98-8-----	Endosulfan I	23	U
60-57-1-----	Dieldrin	44	U
72-55-9-----	4, 4'-DDE	44	U
72-20-8-----	Endrin	44	U
33213-65-9-----	Endosulfan II	44	U
50-29-3-----	4, 4'-DDD	44	U
1031-07-8-----	Endosulfan sulfate	430	PD
50-29-3-----	4, 4'-DDT	75	PD
72-43-5-----	Methoxychlor	230	UJ
53494-70-5-----	Endrin ketone	44	U
7421-36-3-----	Endrin aldehyde	44	U
5103-71-9-----	alpha-Chlordane	9.4	JD
5103-74-2-----	gamma-Chlordane	25	D
8001-35-2-----	Toxaphene	2300	U
12674-11-2-----	Aroclor-1016	440	U
11104-28-2-----	Aroclor-1221	890	U
11141-16-5-----	Aroclor-1232	440	U
53469-21-9-----	Aroclor-1242	440	U
12672-29-6-----	Aroclor-1248	440	U
11097-69-1-----	Aroclor-1254	1500	PD
11096-82-5-----	Aroclor-1260	2300	PD

INORGANIC ANALYSIS DATA SHEET

X203

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: VACANT LOT MAYWOOD
 Lab Code: Case No.: SAS No.: SDG No.: 91
 Matrix (Soil): Lab Sample ID: B306613
 Level (Low/Med): Date Received: 05/06/93
 % Solids: -62.1-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2020			P
7440-36-0	Antimony	14.2	U	N	P
7440-38-2	Arsenic	4.87			FM
7440-39-3	Barium	36.6			P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	1.2	U	R	P
7440-70-2	Calcium	14900		*	P
7440-47-3	Chromium	7.6			P
7440-48-4	Cobalt	3.3	B		P
7440-50-8	Copper	74.5			P
7439-89-6	Iron	5360			P
7439-92-1	Lead	65.7		S	FM
7439-95-4	Magnesium	7770			P
7439-96-5	Manganese	136			P
7439-97-6	Mercury	0.089	B		AV
7440-02-2	Nickel	6.7	B		P
7440-09-7	Potassium	428	B		P
7782-49-2	Selenium	0.55	U	B	W,N
7440-22-4	Silver	0.77	U		P
7440-23-5	Sodium	128	B		P
7440-28-0	Thallium	0.34	U		FM
7440-62-2	Vanadium	5.4	B		P
7440-66-6	Zinc	300			P
	Cyanide	1.3	U		AS
	Boron	7.4	U		P

Color Before: -Black- Clarity Before: -Opaque- Texture: -Fine-

Color After: -Colorless- Clarity After: -Clear- Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	X204RE
Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334856RE</u>	
Sample wt/vol: <u>4.0 (g/mL) G</u>	Lab File ID: <u>C0512BK06</u>	
Level: (low/med) <u>MED</u>	Date Received: <u>05/06/93</u>	
% Moisture: not dec. <u>45</u>	Date Analyzed: <u>05/12/93</u>	
GC Column: <u>DB-624</u> ID: <u>0.530 (mm)</u>	Dilution Factor: <u>1.0</u>	
Soil Extract Volume: <u>10000</u> (uL)	Soil Aliquot Volume: <u>100</u> (uL)	
CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q		
74-87-3-----Chloromethane	2200	U
74-83-9-----Bromomethane	2200	U
75-01-4-----Vinyl Chloride	2200	
75-00-3-----Chloroethane	2200	UJ
75-09-2-----Methylene Chloride	2200	BJ LL
67-64-1-----Acetone	2200	an
75-15-0-----Carbon Disulfide	2200	U
75-35-4-----1,1-Dichloroethene	2200	U
75-34-3-----1,1-Dichloroethane	2200	U
540-59-0-----1,2-Dichloroethene (total)	8800	
67-66-3-----Chloroform	2200	BJ LL
107-06-2-----1,2-Dichloroethane	2200	an
78-93-3-----2-Butanone	2200	U
71-55-6-----1,1,1-Trichloroethane	2200	U
56-23-5-----Carbon Tetrachloride	2200	U
75-27-4-----Bromodichloromethane	2200	U
78-87-5-----1,2-Dichloropropane	2200	U
10061-01-5-----cis-1,3-Dichloropropene	2200	U
79-01-6-----Trichloroethene	550	J
124-48-1-----Dibromochloromethane	2200	U
79-00-5-----1,1,2-Trichloroethane	2200	U
71-43-2-----Benzene	2200	U
10061-02-6-----trans-1,3-Dichloropropene	2200	U
75-25-2-----Bromoform	2200	U
108-10-1-----4-Methyl-2-Pentanone	2200	U
591-78-6-----2-Hexanone	2200	U
127-18-4-----Tetrachloroethene	2200	U
79-34-5-----1,1,2,2-Tetrachloroethane	2200	U
108-88-3-----Toluene	2200	U
108-90-7-----Chlorobenzene	2200	U
100-41-4-----Ethylbenzene	2200	U
100-42-5-----Styrene	2200	U
1330-20-7-----Xylene (total)	2200	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X204RE

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334856RE

Sample wt/vol: 4.0 (g/mL) G Lab File ID: C0512BK06

Level: (low/med) MED Date Received: 05/06/93

% Moisture: not dec. 45 Date Analyzed: 05/12/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>		
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.:	SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334856</u>		
Sample wt/vol: <u>30.5 (g/mL) G</u>	Lab File ID: <u>B0605E07</u>		
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>		
% Moisture: <u>45</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/07/93</u>		
Concentrated Extract Volume: <u>500.0 (uL)</u>	Date Analyzed: <u>06/05/93</u>		
Injection Volume: <u>2.0 (uL)</u>	Dilution Factor: <u>2.0</u>		
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>7.2</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q	
CAS NO.	COMPOUND		
108-95-2-----Phenol		1200	U
111-44-4-----bis(2-Chloroethyl)Ether		1200	U
95-57-8-----2-Chlorophenol		1200	U
541-73-1-----1,3-Dichlorobenzene		1200	U
106-46-7-----1,4-Dichlorobenzene		1200	U
95-50-1-----1,2-Dichlorobenzene		1200	U
95-48-7-----2-Methylphenol		1200	U
108-60-1-----2,2'-oxybis(1-Chloropropane)		1200	U
106-44-5-----4-Methylphenol		1200	U
621-64-7-----N-Nitroso-Di-n-Propylamine		1200	U
67-72-1-----Hexachloroethane		1200	U
98-95-3-----Nitrobenzene		1200	U
78-59-1-----Isophorone		1200	U
88-75-5-----2-Nitrophenol		1200	U
105-67-9-----2,4-Dimethylphenol		1200	U
111-91-1-----bis(2-Chloroethoxy)Methane		1200	U
120-83-2-----2,4-Dichlorophenol		1200	U
120-82-1-----1,2,4-Trichlorobenzene		1200	U
91-20-3-----Naphthalene		250	J
106-47-8-----4-Chloroaniline		1200	U
87-68-3-----Hexachlorobutadiene		1200	U
59-50-7-----4-Chloro-3-Methylphenol		1200	U
91-57-6-----2-Methylnaphthalene		1200	U
77-47-4-----Hexachlorocyclopentadiene		1200	U
88-06-2-----2,4,6-Trichlorophenol		1200	U
95-95-4-----2,4,5-Trichlorophenol		2900	U
91-58-7-----2-Chloronaphthalene		1200	U
88-74-4-----2-Nitroaniline		2900	U
131-11-3-----Dimethylphthalate		1200	U
208-96-8-----Acenaphthylene		1200	U
606-20-2-----2,6-Dinitrotoluene		1200	U
99-09-2-----3-Nitroaniline		2900	UJ
83-32-9-----Acenaphthene		380	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

' Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334856</u>	
Sample wt/vol: <u>30.5 (g/mL) G</u>	Lab File ID: <u>B0605E07</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>	
% Moisture: <u>45</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/07/93</u>	
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>06/05/93</u>	
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>2.0</u>	
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>7.2</u>	
CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q		
CAS NO.	COMPOUND	
51-28-5-----	2,4-Dinitrophenol	2900 U
100-02-7-----	4-Nitrophenol	2900 U
132-64-9-----	Dibenzofuran	1200 U
121-14-2-----	2,4-Dinitrotoluene	1200 U
84-66-2-----	Diethylphthalate	1200 U
7005-72-3-----	4-Chlorophenyl-phenylether	1200 U
86-73-7-----	Fluorene	1200 U
100-10-6-----	4-Nitroaniline	2900 YR am
534-52-1-----	4,6-Dinitro-2-methylphenol	2900 U
86-30-6-----	N-Nitrosodiphenylamine (1)	1200 UJ
101-55-3-----	4-Bromophenyl-phenylether	1200 U
118-74-1-----	Hexachlorobenzene	1200 U
87-86-5-----	Pentachlorophenol	2900 U
85-01-8-----	Phenanthrene	5500
120-12-7-----	Anthracene	500 J
86-74-8-----	Carbazole	1100 J
84-74-2-----	Di-n-Butylphthalate	1200 1100 BD am
206-44-0-----	Fluoranthene	7400
129-00-0-----	Pyrene	5400
85-68-7-----	Butylbenzylphthalate	1200 U
91-94-1-----	3,3'-Dichlorobenzidine	1200 U
56-55-3-----	Benzo(a)Anthracene	2700
218-01-9-----	Chrysene	2900
117-81-7-----	bis(2-Ethylhexyl)Phthalate	1200 U
117-84-0-----	Di-n-Octyl Phthalate	1200 UJ
205-99-2-----	Benzo(b)Fluoranthene	3100
207-08-9-----	Benzo(k)Fluoranthene	2600
50-32-8-----	Benzo(a)Pyrene	2900
193-39-5-----	Indeno(1,2,3-cd)Pyrene	1200 U
53-70-3-----	Dibenz(a,h)Anthracene	1200 U
191-24-2-----	Benzo(g,h,i)Perylene	1200 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X204

Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>	
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____ SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334856</u>	
Sample wt/vol: <u>30.5</u> (g/mL) <u>G</u>	Lab File ID: <u>B0605E07</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>	
% Moisture: <u>45</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/07/93</u>	
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>06/05/93</u>	
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>2.0</u>	
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>7.2</u>	

CONCENTRATION UNITS:
Number TICs found: 28 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.85	26000	JNBALL am
2.	UNKNOWN PYRENE	31.09	1800	J
3.	UNKNOWN	31.27	340	J
4.	UNKNOWN PCB	31.77	220	J
5.	UNKNOWN PCB	31.89	290	J
6.	UNKNOWN	32.19	480	J
7.	UNKNOWN PCB	32.42	350	J
8.	UNKNOWN	32.61	570	J
9.	UNKNOWN	32.94	630	J
10.	UNKNOWN	33.01	650	J
11.	UNKNOWN	33.04	31	J
12.	UNKNOWN	33.09	670	J
13.	UNKNOWN ALIP. HYDROCARBON	33.14	1000	J
14.	UNKNOWN	33.21	510	J
15.	UNKNOWN ALIP. HYDROCARBON	33.31	520	J
16.	UNKNOWN	33.41	140	J
17.	UNKNOWN	33.82	540	J
18.	UNKNOWN	33.92	39	J
19.	UNKNOWN	34.04	690	J
20.	UNKNOWN	34.41	1900	J
21.	UNKNOWN	34.74	540	J
22.	UNKNOWN	34.99	630	J
23.	UNKNOWN	35.14	280	J
24.	UNKNOWN ALIP. HYDROCARBON	35.19	1300	J
25.	UNKNOWN	35.44	570	J
26.	UNKNOWN	35.46	680	J
27.	UNKNOWN	35.59	430	J
28.	UNKNOWN ALIP. HYDROCARBON	37.92	4800	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

b Name: ILLINOIS EPA

Contract: 0970000000

X204

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334856

Sample wt/vol: 30.3 (g/mL) G Lab File ID: _____

% Moisture: 45 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/21/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	1.3	JP
319-85-7-----	beta-BHC	3.1	U
319-86-8-----	delta-BHC	3.1	UJ
58-89-9-----	gamma-BHC (Lindane)	3.1	UJ
76-44-8-----	Heptachlor	3.1	U
309-00-2-----	Aldrin	27	
1024-57-3-----	Heptachlor epoxide	3.1	U
959-98-8-----	Endosulfan I	3.1	U
60-57-1-----	Dieldrin	28	
72-55-9-----	4,4'-DDE	5.9	U
72-20-8-----	Endrin	5.9	U
33213-65-9-----	Endosulfan II	5.9	U
50-29-3-----	4,4'-DDD	5.9	U
1031-07-8-----	Endosulfan sulfate	44	
50-29-3-----	4,4'-DDT	21	P
72-43-5-----	Methoxychlor	31	UJ
53494-70-5-----	Endrin ketone	25	P
7421-36-3-----	Endrin aldehyde	5.9	U
5103-71-9-----	alpha-Chlordane	18	P
5103-74-2-----	gamma-Chlordane	20	P
8001-35-2-----	Toxaphene	310	U
12674-11-2-----	Aroclor-1016	59	U
11104-28-2-----	Aroclor-1221	120	U
11141-16-5-----	Aroclor-1232	59	U
53469-21-9-----	Aroclor-1242	59	U
12672-29-6-----	Aroclor-1248	59	U
11097-69-1-----	Aroclor-1254	2100 2000	P
11096-82-5-----	Aroclor-1260	3200	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204DL

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334856D

Sample wt/vol: 30.3 (g/mL) G Lab File ID: _____

% Moisture: 45 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/93

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	31	UJ
319-85-7-----	beta-BHC	31	U
319-86-8-----	delta-BHC	31	UJ
58-89-9-----	gamma-BHC (Lindane)	31	UJ
76-44-8-----	Heptachlor	31	U
309-00-2-----	Aldrin	35	D
1024-57-3-----	Heptachlor epoxide	31	U
959-98-8-----	Endosulfan I	31	U
60-57-1-----	Dieldrin	21	JPD
72-55-9-----	4,4'-DDE	59	UJ
72-20-8-----	Endrin	120	PD
33213-65-9-----	Endosulfan II	59	U
50-29-3-----	4,4'-DDD	59	UJ
1031-07-8-----	Endosulfan sulfate	22	JD
50-29-3-----	4,4'-DDT	25	JPD
72-43-5-----	Methoxychlor	310	UJ
53494-70-5-----	Endrin ketone	9.9	JPD
7421-36-3-----	Endrin aldehyde	59	U
5103-71-9-----	alpha-Chlordane	17	JPD
5103-74-2-----	gamma-Chlordane	23	JPD
8001-35-2-----	Toxaphene	3100	U
12674-11-2-----	Aroclor-1016	590	U
11104-28-2-----	Aroclor-1221	1200	U
11141-16-5-----	Aroclor-1232	590	U
53469-21-9-----	Aroclor-1242	590	U
12672-29-6-----	Aroclor-1248	590	U
11097-69-1-----	Aroclor-1254	2600	PD
11096-82-5-----	Aroclor-1260	4700	DC

Am
7/23/93

INORGANIC ANALYSIS DATA SHEET

X204

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: —VACANT LOT MAYWOOD—
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: —91—
 Matrix (Soil): _____ Lab Sample ID: —B306614—
 Level (Low/Med): _____ Date Received: 05/06/93
 % Solids: —59.1—

Concentration Units (mg/kg dry weight): —

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6830	*		P
7440-36-0	Antimony	17.4	U	N	P
7440-38-2	Arsenic	5.54			FM
7440-39-3	Barium	60.7			P
7440-41-7	Beryllium	1.4	B		P
7440-43-9	Cadmium	2.2	U	R	P
7440-70-2	Calcium	37200		*	P
7440-47-3	Chromium	17.6			P
7440-48-4	Cobalt	8.2	B		P
7440-50-8	Copper	759			P
7439-89-6	Iron	17600			P
7439-92-1	Lead	779		*	P
7439-95-4	Magnesium	19900			P
7439-96-5	Manganese	319			P
7439-97-6	Mercury	0.89			AV
7440-02-2	Nickel	27.7			P
7440-09-7	Potassium	1150	B		P
7782-49-2	Selenium	0.83	U	R	W,N
7440-22-4	Silver	1.9	B		P
7440-23-5	Sodium	559	B		P
7440-28-0	Thallium	0.34	U		FM
7440-62-2	Vanadium	18.8			P
7440-66-6	Zinc	3270			P
	Cyanide	1.4	U		AS
	Boron	28.4			P

Color Before: —Colorless— Clarity Before: —Clear— Texture: —Fine—

Color After: —Colorless— Clarity After: —Clear— Artifacts: _____

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205RE

Name: ILLINOIS EPA

Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334857RE

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C0511BK07

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: not dec. 38

Date Analyzed: 05/11/93

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

74-87-3-----Chloromethane	16	UJ	
74-83-9-----Bromomethane	16	UJ	
75-01-4-----Vinyl Chloride	140		
75-00-3-----Chloroethane	16		
75-09-2-----Methylene Chloride	16	UJ	an
67-64-1-----Acetone	15	J	
75-15-0-----Carbon Disulfide	16	U	
75-35-4-----1,1-Dichloroethene	16	U	
75-34-3-----1,1-Dichloroethane	16	U	
540-59-0-----1,2-Dichloroethene (total)	220		
67-66-3-----Chloroform	16	U	
107-06-2-----1,2-Dichloroethane	16	U	
78-93-3-----2-Butanone	4	J	
71-55-6-----1,1,1-Trichloroethane	16	U	
56-23-5-----Carbon Tetrachloride	16	U	
75-27-4-----Bromodichloromethane	16	U	
78-87-5-----1,2-Dichloropropane	16	U	
10061-01-5-----cis-1,3-Dichloropropene	16	U	
79-01-6-----Trichloroethene	16	U	
124-48-1-----Dibromochloromethane	16	U	
79-00-5-----1,1,2-Trichloroethane	16	U	
71-43-2-----Benzene	16	U	
10061-02-6-----trans-1,3-Dichloropropene	16	U	
75-25-2-----Bromoform	16	U	
108-10-1-----4-Methyl-2-Pentanone	16	UJ	
591-78-6-----2-Hexanone	16	UJ	
127-18-4-----Tetrachloroethene	16	UJ	
79-34-5-----1,1,2,2-Tetrachloroethane	16	UJ	
108-88-3-----Toluene	16	UJ	
108-90-7-----Chlorobenzene	16	UJ	
100-41-4-----Ethylbenzene	16	UJ	
100-42-5-----Styrene	16	UJ	
1330-20-7-----Xylene (total)	16	UJ	

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X205RE

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334857RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0511BK07

Level: (low/med) LOW Date Received: 05/06/93

Moisture: not dec. 38 Date Analyzed: 05/11/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	21.65	78	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

-b Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>		
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____	SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334857</u>		
Sample wt/vol: <u>30.6</u> (g/mL) <u>G</u>	Lab File ID: <u>B0605E10</u>		
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>		
% Moisture: <u>38</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/07/93</u>		
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>06/05/93</u>		
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>4.0</u>		
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>7.4</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q	
CAS NO.	COMPOUND		
108-95-2-----	Phenol	2100	U
111-44-4-----	bis(2-Chloroethyl) Ether	2100	U
95-57-8-----	2-Chlorophenol	2100	U
541-73-1-----	1,3-Dichlorobenzene	2100	U
106-46-7-----	1,4-Dichlorobenzene	2100	U
95-50-1-----	1,2-Dichlorobenzene	2100	U
95-48-7-----	2-Methylphenol	2100	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	2100	U
106-44-5-----	4-Methylphenol	2100	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	2100	U
67-72-1-----	Hexachloroethane	2100	U
98-95-3-----	Nitrobenzene	2100	U
78-59-1-----	Isophorone	2100	U
88-75-5-----	2-Nitrophenol	2100	U
105-67-9-----	2,4-Dimethylphenol	2100	U
111-91-1-----	bis(2-Chloroethoxy) Methane	2100	U
120-83-2-----	2,4-Dichlorophenol	2100	U
120-82-1-----	1,2,4-Trichlorobenzene	2100	U
91-20-3-----	Naphthalene	2100	U
106-47-8-----	4-Chloroaniline	2100	U
87-68-3-----	Hexachlorobutadiene	2100	U
59-50-7-----	4-Chloro-3-Methylphenol	2100	U
91-57-6-----	2-Methylnaphthalene	2100	U
77-47-4-----	Hexachlorocyclopentadiene	2100	U
88-06-2-----	2,4,6-Trichlorophenol	2100	U
95-95-4-----	2,4,5-Trichlorophenol	5100	U
91-58-7-----	2-Chloronaphthalene	2100	U
88-74-4-----	2-Nitroaniline	5100	U
131-11-3-----	Dimethylphthalate	2100	U
208-96-8-----	Acenaphthylene	2100	U
606-20-2-----	2,6-Dinitrotoluene	2100	U
99-09-2-----	3-Nitroaniline	5100	UJ
83-32-9-----	Acenaphthene	560	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

b Name: <u>ILLINOIS EPA</u>	Contract: <u>0970000000</u>		
Lab Code: <u>SPFLD</u>	Case No.: <u>VACANT</u>	SAS No.: _____	SDG No.: <u>334853</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>D334857</u>		
Sample wt/vol: <u>30.6</u> (g/mL) <u>G</u>	Lab File ID: <u>B0605E10</u>		
Level: (low/med) <u>LOW</u>	Date Received: <u>05/06/93</u>		
% Moisture: <u>38</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>05/07/93</u>		
Concentrated Extract Volume: <u>500.0</u> (uL)	Date Analyzed: <u>06/05/93</u>		
Injection Volume: <u>2.0</u> (uL)	Dilution Factor: <u>4.0</u>		
GPC Cleanup: (Y/N) <u>Y</u>	pH: <u>7.4</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q	
CAS NO.	COMPOUND		
51-28-5-----	2,4-Dinitrophenol	5100	U
100-02-7-----	4-Nitrophenol	5100	U
132-64-9-----	Dibenzofuran	2100	U
121-14-2-----	2,4-Dinitrotoluene	2100	U
84-66-2-----	Diethylphthalate	2100	U
7005-72-3-----	4-Chlorophenyl-phenylether	2100	U
86-73-7-----	Fluorene	2100	U
100-10-6-----	4-Nitroaniline	5100	XR
534-52-1-----	4,6-Dinitro-2-methylphenol	5100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	2100	UJ
101-55-3-----	4-Bromophenyl-phenylether	2100	U
118-74-1-----	Hexachlorobenzene	2100	U
87-86-5-----	Pentachlorophenol	5100	U
85-01-8-----	Phenanthrene	9500	
120-12-7-----	Anthracene	1100	J
86-74-8-----	Carbazole	1500	J
84-74-2-----	Di-n-Butylphthalate	2100	830
206-44-0-----	Fluoranthene	14000	BJ u
129-00-0-----	Pyrene	13000	am
85-68-7-----	Butylbenzylphthalate	2100	U
91-94-1-----	3,3'-Dichlorobenzidine	2100	U
56-55-3-----	Benzo(a)Anthracene	7500	
218-01-9-----	Chrysene	7500	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	2100	U
117-84-0-----	Di-n-Octyl Phthalate	2100	UJ
205-99-2-----	Benzo(b)Fluoranthene	7100	
207-08-9-----	Benzo(k)Fluoranthene	7900	
50-32-8-----	Benzo(a)Pyrene	8200	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	2900	
53-70-3-----	Dibenz(a,h)Anthracene	2100	U
191-24-2-----	Benzo(g,h,i)Perylene	3000	

(1) - Cannot be separated from Diphenylamine

**SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS**

X205

✓ b Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL

Lab Sample ID: D334857

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: B0605E10

Level: (low/med) LOW

Date Received: 05/06/93

% Moisture: 38 decanted: (Y/N) N

Date Extracted: 05/07/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 06/05/93

Injection Volume: 2.0 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:

Number TICs found: 24

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.79	25000	JNBAL am
2.	UNKNOWN BENZO FLUORENE	31.09	2700	J
3.	UNKNOWN BENZO FLUORENE	31.27	1300	J
4.	UNKNOWN	31.41	900	J
5.	UNKNOWN	31.42	130	J
6.	UNKNOWN	31.67	630	J
7.	UNKNOWN	31.77	490	J
8.	UNKNOWN ALIP. HYDROCARBON	32.17	580	J
9.	UNKNOWN	32.52	220	J
10.	UNKNOWN	32.62	930	J
11.	UNKNOWN	32.94	1300	J
12.	UNKNOWN	33.02	1100	J
13.	UNKNOWN	33.09	1100	J
14.	UNKNOWN ALIP. HYDROCARBON	33.14	2900	J
15.	UNKNOWN	33.21	820	J
16.	UNKNOWN	34.04	1400	J
17.	UNKNOWN	34.41	640	J
18.	UNKNOWN	34.99	1300	J
19.	UNKNOWN ALIP. HYDROCARBON	35.19	2100	J
20.	UNKNOWN	35.59	570	J
21.	UNKNOWN ALIP. HYDROCARBON	36.46	900	J
22.	UNKNOWN ALIP. HYDROCARBON	37.94	9000	J
23.	UNKNOWN BENZO FLUORANTHENE	38.97	8500	J
24.	UNKNOWN BENZO FLUORANTHENE	39.22	8600	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

b Name: ILLINOIS EPA

Contract: 0970000000

X205

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334857

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 38 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	UNITS
<u>319-84-6-----alpha-BHC</u>	<u>1.4</u>	<u>J</u>
<u>319-85-7-----beta-BHC</u>	<u>2.7</u>	<u>U</u>
<u>319-86-8-----delta-BHC</u>	<u>2.7</u>	<u>UJ</u>
<u>58-89-9-----gamma-BHC (Lindane)</u>	<u>2.7</u>	<u>UJ</u>
<u>76-44-8-----Heptachlor</u>	<u>2.7</u>	<u>U</u>
<u>309-00-2-----Aldrin</u>	<u>9.0</u>	<u>P</u>
<u>1024-57-3-----Heptachlor epoxide</u>	<u>2.7</u>	<u>U</u>
<u>959-98-8-----Endosulfan I</u>	<u>2.7</u>	<u>U</u>
<u>60-57-1-----Dieldrin</u>	<u>9.5</u>	<u>P</u>
<u>72-55-9-----4,4'-DDE</u>	<u>5.3</u>	<u>UJ</u>
<u>72-20-8-----Endrin</u>	<u>5.3</u>	<u>U</u>
<u>33213-65-9-----Endosulfan II</u>	<u>13</u>	
<u>50-29-3-----4,4'-DDD</u>	<u>5.3</u>	<u>UJ</u>
<u>1031-07-8-----Endosulfan sulfate</u>	<u>5.3</u>	<u>U</u>
<u>50-29-3-----4,4'-DDT</u>	<u>140</u>	<u>PJ</u>
<u>72-43-5-----Methoxychlor</u>	<u>27</u>	<u>UJ</u>
<u>53494-70-5-----Endrin ketone</u>	<u>5.3</u>	<u>U</u>
<u>7421-36-3-----Endrin aldehyde</u>	<u>5.3</u>	<u>U</u>
<u>5103-71-9-----alpha-Chlordane</u>	<u>30</u>	
<u>5103-74-2-----gamma-Chlordane</u>	<u>28</u>	
<u>8001-35-2-----Toxaphene</u>	<u>270</u>	<u>U</u>
<u>12674-11-2-----Aroclor-1016</u>	<u>53</u>	<u>U</u>
<u>11104-28-2-----Aroclor-1221</u>	<u>110</u>	<u>U</u>
<u>11141-16-5-----Aroclor-1232</u>	<u>53</u>	<u>U</u>
<u>53469-21-9-----Aroclor-1242</u>	<u>53</u>	<u>U</u>
<u>12672-29-6-----Aroclor-1248</u>	<u>53</u>	<u>U</u>
<u>11097-69-1-----Aroclor-1254</u>	<u>53</u>	<u>U</u>
<u>11096-82-5-----Aroclor-1260</u>	<u>1700</u>	<u>P</u>

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205DL

--b Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) SOIL Lab Sample ID: D334857D

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 38 decanted: (Y/N) N Date Received: 05/06/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/21/93

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	27	UJ
319-85-7-----	beta-BHC	27	U
319-86-8-----	delta-BHC	27	UJ
58-89-9-----	gamma-BHC (Lindane)	27	UJ
76-44-8-----	Heptachlor	27	U
309-00-2-----	Aldrin	14	JPD
1024-57-3-----	Heptachlor epoxide	27	U
959-98-8-----	Endosulfan I	27	U
60-57-1-----	Dieldrin	11	JPD
72-55-9-----	4,4'-DDE	53	U
72-20-8-----	Endrin	53	U
33213-65-9-----	Endosulfan II	51	JPD
50-29-3-----	4,4'-DDD	53	U
1031-07-8-----	Endosulfan sulfate	53	U
50-29-3-----	4,4'-DDT	200	D
72-43-5-----	Methoxychlor	270	UJ
53494-70-5-----	Endrin ketone	53	U
7421-36-3-----	Endrin aldehyde	53	U
5103-71-9-----	alpha-Chlordane	31	D
5103-74-2-----	gamma-Chlordane	33	PD
8001-35-2-----	Toxaphene	2700	U
12674-11-2-----	Aroclor-1016	530	U
11104-28-2-----	Aroclor-1221	1100	U
11141-16-5-----	Aroclor-1232	530	U
53469-21-9-----	Aroclor-1242	530	U
12672-29-6-----	Aroclor-1248	530	U
11097-69-1-----	Aroclor-1254	530	U
11096-82-5-----	Aroclor-1260	3100 3200	PD

INORGANIC ANALYSIS DATA SHEET

X205

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: VACANT LOT MAYWOOD
 Lab Code: Case No.: SAS No.: SDG No.: 91
 Matrix (Soil): Lab Sample ID: B306615
 Level (Low/Med): Date Received: 05/06/93
 % Solids: -64.1-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4420			P
7440-36-0	Antimony	12.3	U	N	P
7440-38-2	Arsenic	21.96			FM
7440-39-3	Barium	58.5			P
7440-41-7	Beryllium	0.86	B		P
7440-43-9	Cadmium	1.5	U		P
7440-70-2	Calcium	38000		*	P
7440-47-3	Chromium	21.0			P
7440-48-4	Cobalt	4.8	B		P
7440-50-8	Copper	157			P
7439-89-6	Iron	11900			P
7439-92-1	Lead	258		*	P
7439-95-4	Magnesium	19000			P
7439-96-5	Manganese	274			P
7439-97-6	Mercury	0.30			AV
7440-02-2	Nickel	16.4			P
7440-09-7	Potassium	740	B		P
7782-49-2	Selenium	0.50	U	R	FM
7440-22-4	Silver	0.67	U		P
7440-23-5	Sodium	512	B		P
7440-28-0	Thallium	0.31	U		FM
7440-62-2	Vanadium	13.9			P
7440-66-6	Zinc	665			P
	Cyanide	1.1	U		AS
	Boron	11.5	U		P

Color Before: -Black- Clarity Before: -Opaque- Texture: Medium

Color After: -Yellow- Clarity After: -Clear- Artifacts: _____

Comments: _____

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QB

B0000008

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKTB

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853

Matrix: (soil/water) WATER Lab Sample ID: D334873

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0507LC04

Level: (low/med) LOW Date Received: 05/06/93

% Moisture: not dec. _____ Date Analyzed: 05/07/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	UJ
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	UJ
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	UJ
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	UJ
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKTB

Lab Name: ILLINOIS EPA Contract: 0970000000Lab Code: SPFLD Case No.: VACANT SAS No.: _____ SDG No.: 334853Matrix: (soil/water) WATER Lab Sample ID: D334873Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0507LC04Level: (low/med) LOW Date Received: 05/06/93% Moisture: not dec. _____ Date Analyzed: 05/07/93GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====